


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> GMBU V-32-8-17				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> MONUMENT BUTTE				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> GMBU (GRRV)				
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY						<b>7. OPERATOR PHONE</b> 435 646-4825				
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052						<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> ML-22060			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>		<b>QTR-QTR</b>		<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
<b>LOCATION AT SURFACE</b>	810 FSL 1990 FEL		SWSE		32	8.0 S	17.0 E	S		
<b>Top of Uppermost Producing Zone</b>	504 FSL 1682 FEL		SWSE		32	8.0 S	17.0 E	S		
<b>At Total Depth</b>	100 FSL 1300 FEL		SESE		32	8.0 S	17.0 E	S		
<b>21. COUNTY</b> DUCESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 100			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 20				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1407			<b>26. PROPOSED DEPTH</b> MD: 6290 TVD: 6290				
<b>27. ELEVATION - GROUND LEVEL</b> 5211			<b>28. BOND NUMBER</b> B001834			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
<b>SURF</b>	12.25	8.625	0 - 300	24.0	J-55 ST&C	8.3	Class G	138	1.17	15.8
<b>PROD</b>	7.875	5.5	0 - 6290	15.5	J-55 LT&C	8.3	Premium Lite High Strength	296	3.26	11.0
							50/50 Poz	363	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Mandie Crozier				<b>TITLE</b> Regulatory Tech				<b>PHONE</b> 435 646-4825		
<b>SIGNATURE</b>				<b>DATE</b> 06/14/2011				<b>EMAIL</b> mcrozier@newfield.com		
<b>API NUMBER ASSIGNED</b> 43013508420000				<b>APPROVAL</b>  Permit Manager						

RECEIVED: August 17, 2011

NEWFIELD PRODUCTION COMPANY  
GMBU V-32-8-17  
AT SURFACE: SW/SE (LOT #11) SECTION 32, T8S, R17E  
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1175'
Green River	1175'
Wasatch	6145'
<b>Proposed TD</b>	<b>6290'</b>

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil)      1175' – 6145'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU V-32-8-17**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	300'	24.0	J-55	STC	2,950 17.53	1,370 14.35	244,000 33.89
Prod casing 5-1/2"	0'	6,290'	15.5	J-55	LTC	4,810 2.40	4,040 2.02	217,000 2.23

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU V-32-8-17**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
			ft <sup>3</sup>			
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,290'	Prem Lite II w/ 10% gel + 3% KCl	296 966	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

\*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 300$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 350$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

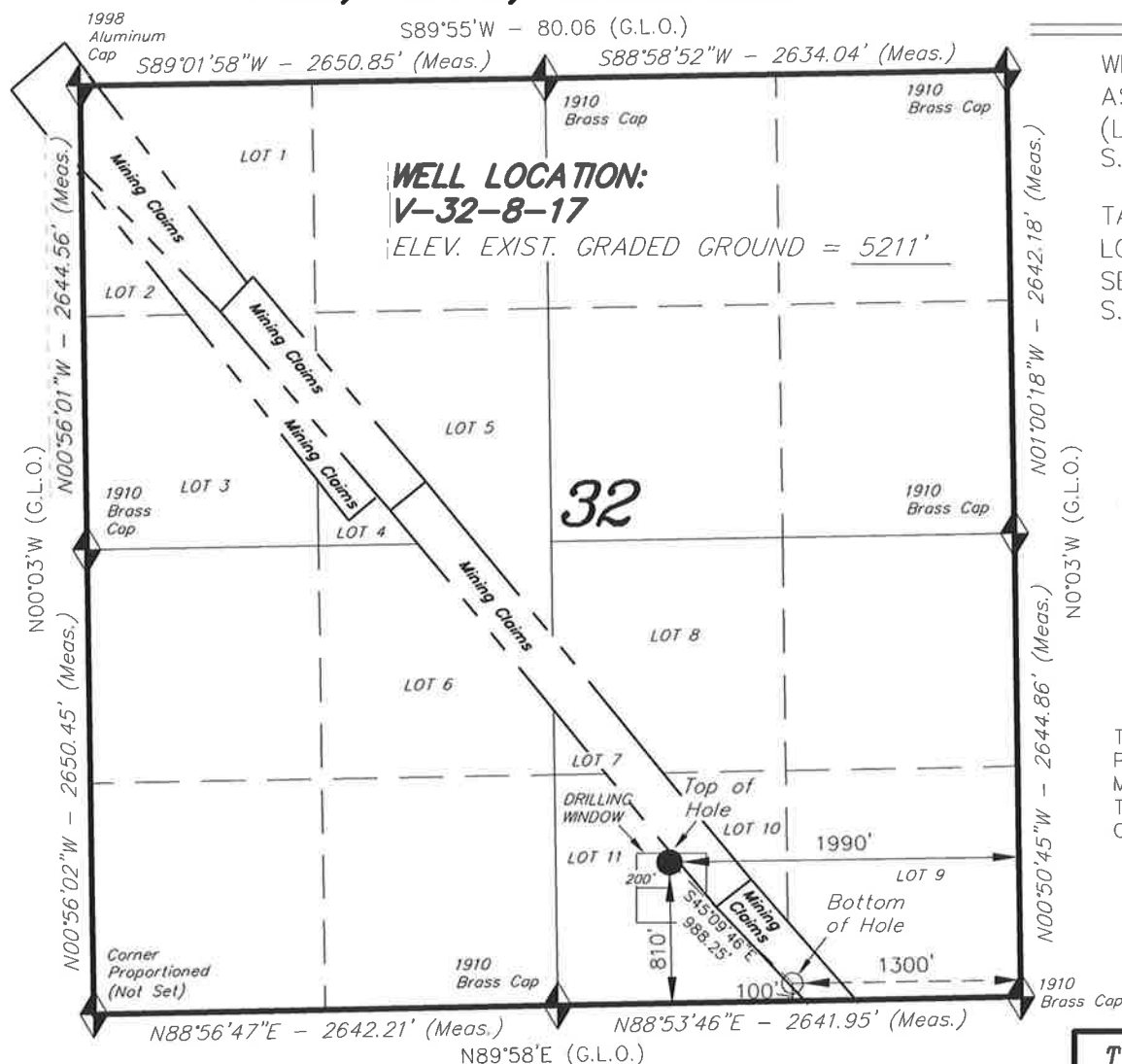
The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the third quarter of 2011, and take approximately seven (7) days from spud to rig release.

**T8S, R17E, S.L.B.&M.****NEWFIELD EXPLORATION COMPANY**

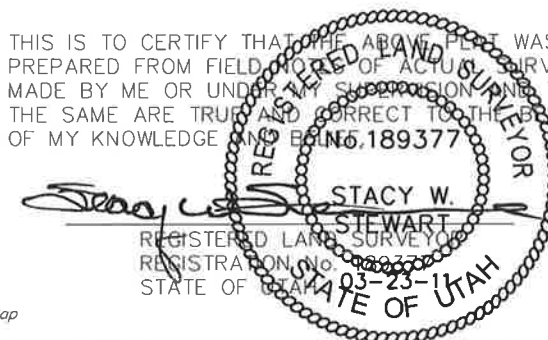
WELL LOCATION, V-32-8-17, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 (LOT 11) OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, V-32-8-17, LOCATED AS SHOWN IN THE SE 1/4 SE 1/4 OF SECTION 32, T8S, R17E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

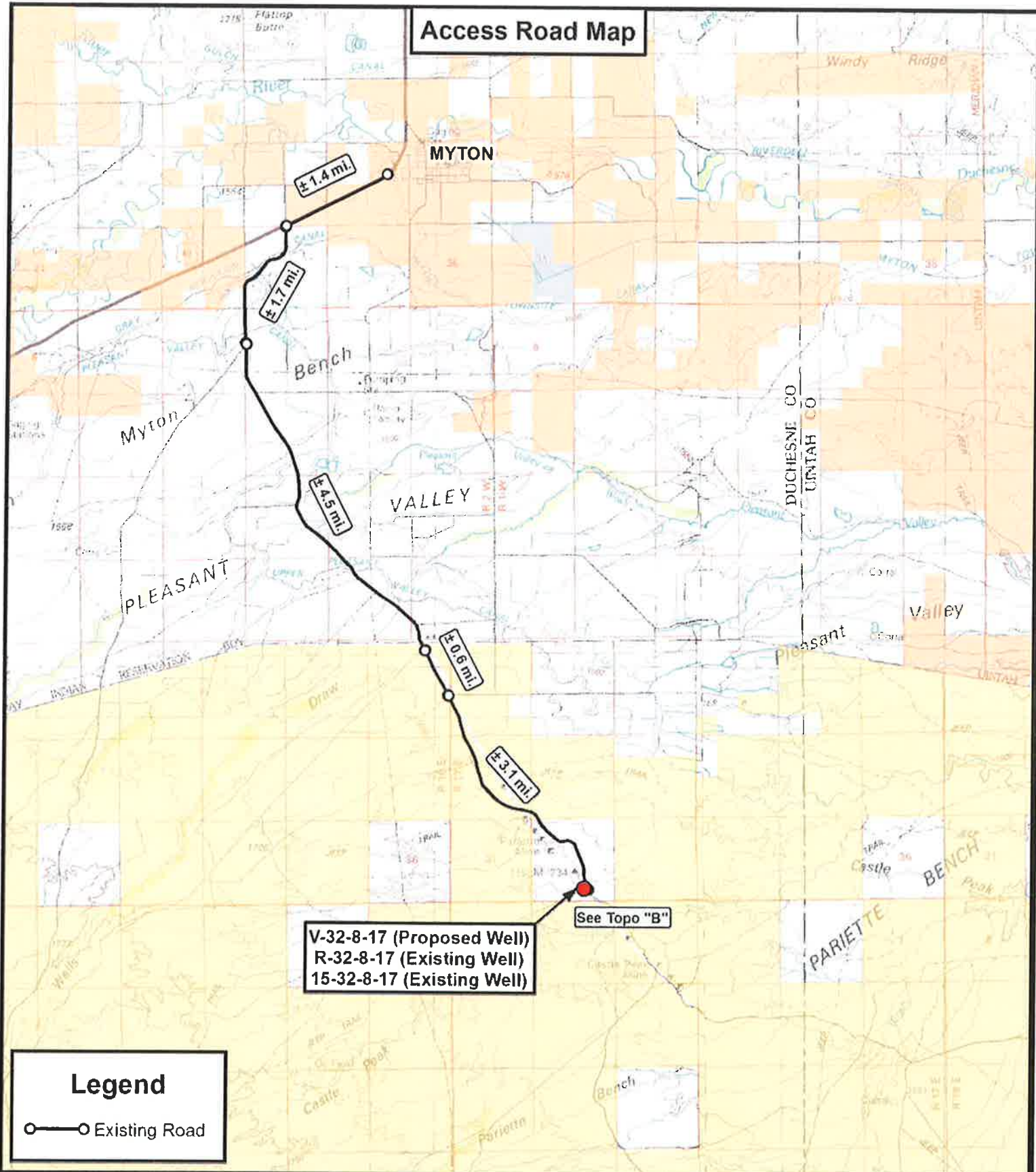
**V-32-8-17**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 04' 09.76"  
LONGITUDE = 110° 01' 41.11"

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 03-07-11	SURVEYED BY: T.P.	VERSION:
DATE DRAWN: 03-23-11	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

# Access Road Map



## Legend

Existing Road



**Tri State**  
**Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

V-32-8-17 (Proposed Well)  
R-32-8-17 (Existing Well)  
15-32-8-17 (Existing Well)

SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-25-2011		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET

**A**

## Access Road Map

V-32-8-17 (Proposed Well)  
 R-32-8-17 (Existing Well)  
 15-32-8-17 (Existing Well)

± 53'  
 ± 82'

## Legend

— Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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**Land Surveying, Inc.**

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N



## NEWFIELD EXPLORATION COMPANY

V-32-8-17 (Proposed Well)

R-32-8-17 (Existing Well)

15-32-8-17 (Existing Well)

SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

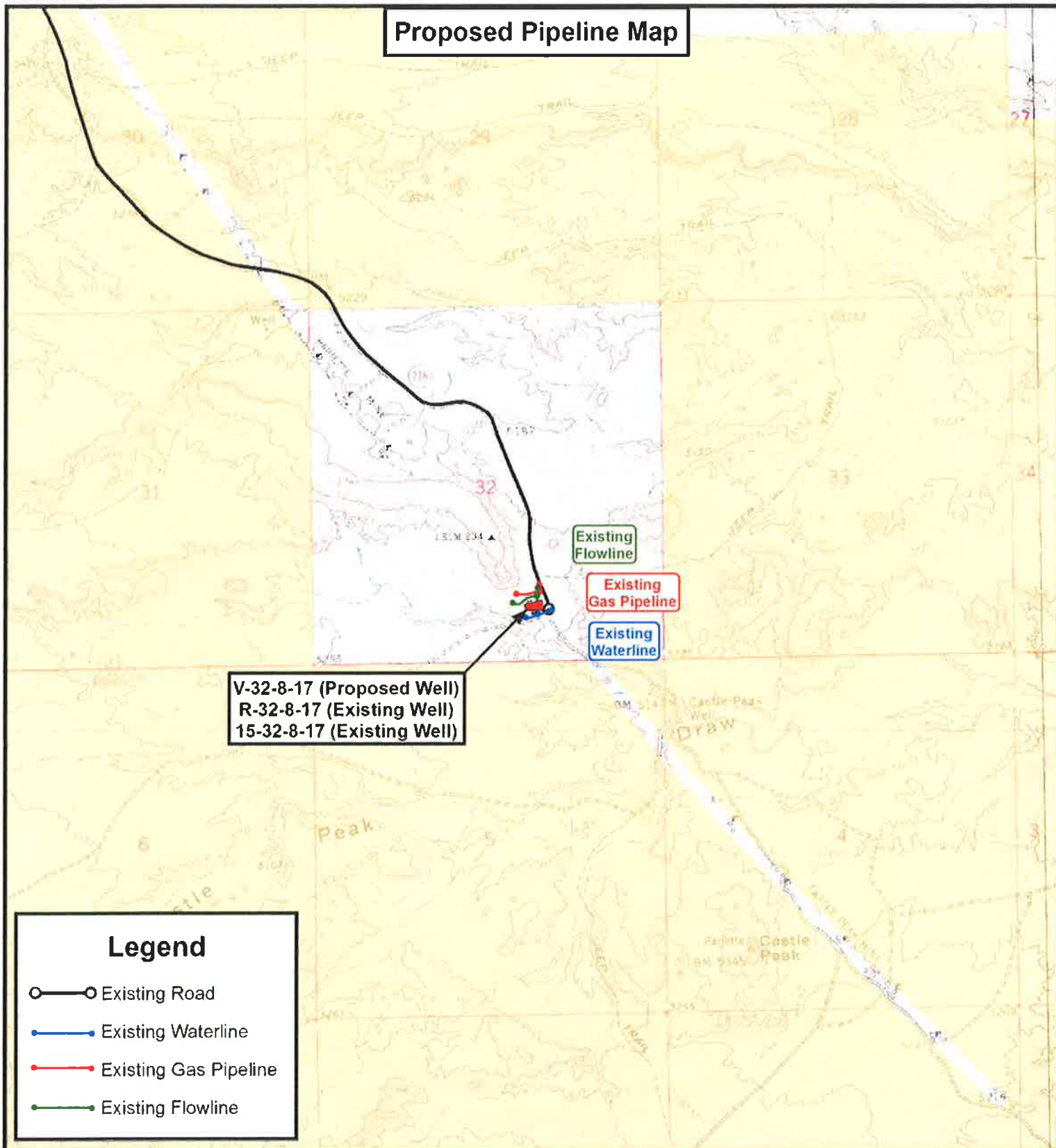
DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-25-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET

**B**

# Proposed Pipeline Map



## Legend

- Existing Road
- Existing Waterline
- Existing Gas Pipeline
- Existing Flowline

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## NEWFIELD EXPLORATION COMPANY

V-32-8-17 (Proposed Well)  
R-32-8-17 (Existing Well)  
15-32-8-17 (Existing Well)

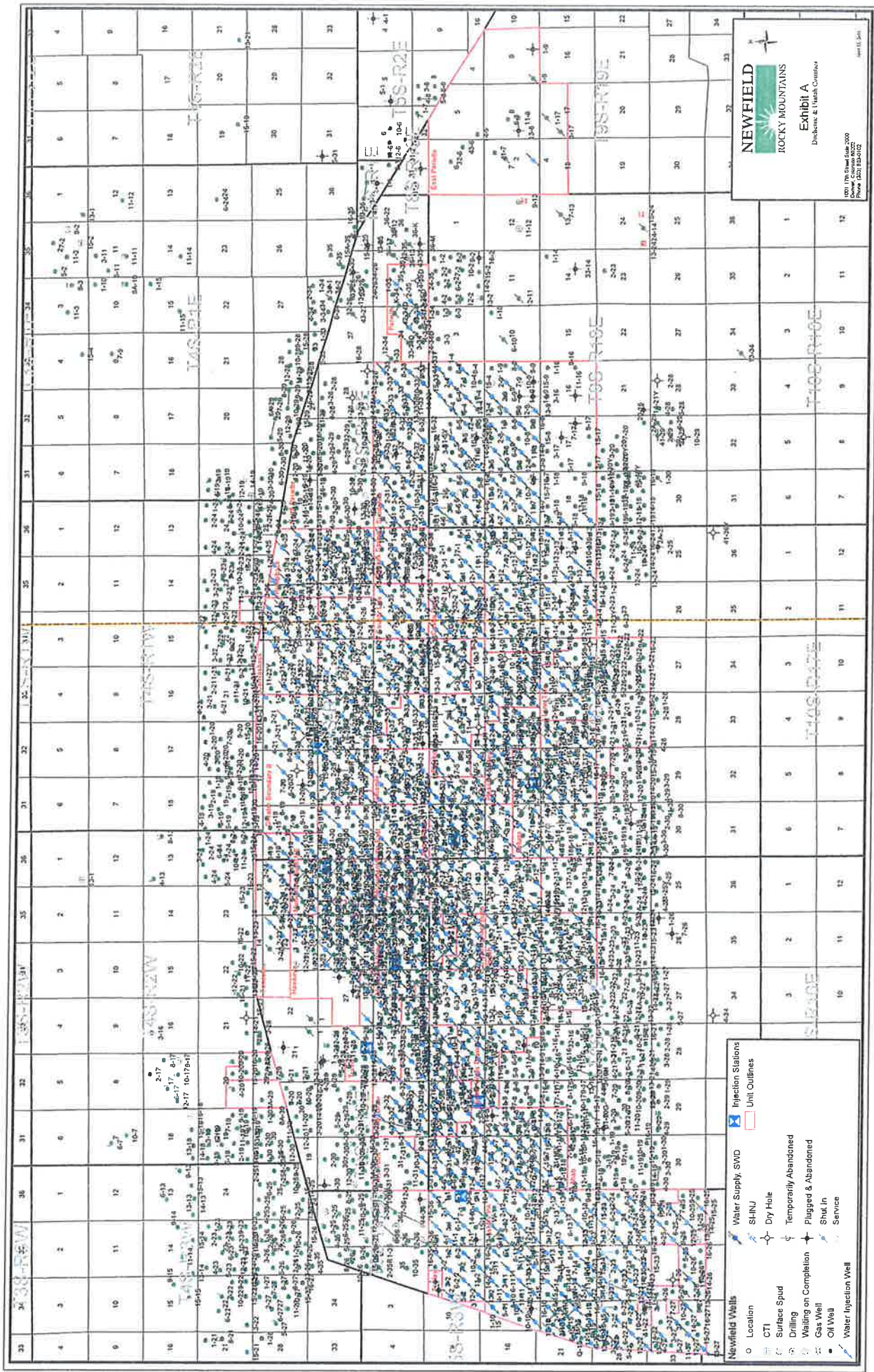
SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-25-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET

**C**



**Exhibit "B" Map**

V-32-8-17 (Proposed Well)  
 R-32-8-17 (Existing Well)  
 15-32-8-17 (Existing Well)

**Legend**

- 1 Mile Radius  
 ● Pad Location



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**NEWFIELD EXPLORATION COMPANY**

V-32-8-17 (Proposed Well)

R-32-8-17 (Existing Well)

15-32-8-17 (Existing Well)

SEC. 32, T8S, R17E, S.L.B.&M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-25-2011		V1
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET

**D**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 32 T8S, R17E  
V-32-8-17**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**13 June, 2011**





<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well V-32-8-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	V-32-8-17 @ 5223.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	V-32-8-17 @ 5223.0ft (Newfield Rig)
<b>Site:</b>	SECTION 32 T8S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	V-32-8-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site		SECTION 32 T8S, R17E, SEC 32 T8S, R17E			
Site Position:		Northing:	7,199,243.00 ft	Latitude:	40° 4' 28.149 N
From:	Lat/Long	Easting:	2,052,198.00 ft	Longitude:	110° 1' 42.260 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.94 °

Well	V-32-8-17, SHL LAT: 40 04 09.76 LONG: -110 01 41.11					
Well Position	+N/-S	-1,860.7 ft	Northing:	7,197,384.03 ft	Latitude:	40° 4' 9.760 N
	+E/-W	89.4 ft	Easting:	2,052,318.02 ft	Longitude:	110° 1' 41.110 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,223.0 ft	Ground Level:	5,211.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2011/03/10	11.34	65.83	52,317

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	134.84

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,311.6	10.67	134.84	1,307.5	-46.6	46.9	1.50	1.50	0.00	134.84	
6,290.3	10.67	134.84	6,200.0	-696.8	700.7	0.00	0.00	0.00	0.00	V-32-8-17



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well V-32-8-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	V-32-8-17 @ 5223.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	V-32-8-17 @ 5223.0ft (Newfield Rig)
<b>Site:</b>	SECTION 32 T8S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	V-32-8-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	134.84	700.0	-0.9	0.9	1.3	1.50	1.50	0.00
800.0	3.00	134.84	799.9	-3.7	3.7	5.2	1.50	1.50	0.00
900.0	4.50	134.84	899.7	-8.3	8.3	11.8	1.50	1.50	0.00
1,000.0	6.00	134.84	999.3	-14.8	14.8	20.9	1.50	1.50	0.00
1,100.0	7.50	134.84	1,098.6	-23.0	23.2	32.7	1.50	1.50	0.00
1,200.0	9.00	134.84	1,197.5	-33.2	33.3	47.0	1.50	1.50	0.00
1,300.0	10.50	134.84	1,296.1	-45.1	45.4	64.0	1.50	1.50	0.00
1,311.6	10.67	134.84	1,307.5	-46.6	46.9	66.1	1.50	1.50	0.00
1,400.0	10.67	134.84	1,394.4	-58.1	58.5	82.5	0.00	0.00	0.00
1,500.0	10.67	134.84	1,492.6	-71.2	71.6	101.0	0.00	0.00	0.00
1,600.0	10.67	134.84	1,590.9	-84.3	84.7	119.5	0.00	0.00	0.00
1,700.0	10.67	134.84	1,689.2	-97.3	97.9	138.0	0.00	0.00	0.00
1,800.0	10.67	134.84	1,787.4	-110.4	111.0	156.6	0.00	0.00	0.00
1,900.0	10.67	134.84	1,885.7	-123.5	124.1	175.1	0.00	0.00	0.00
2,000.0	10.67	134.84	1,984.0	-136.5	137.3	193.6	0.00	0.00	0.00
2,100.0	10.67	134.84	2,082.2	-149.6	150.4	212.1	0.00	0.00	0.00
2,200.0	10.67	134.84	2,180.5	-162.6	163.5	230.6	0.00	0.00	0.00
2,300.0	10.67	134.84	2,278.8	-175.7	176.7	249.2	0.00	0.00	0.00
2,400.0	10.67	134.84	2,377.1	-188.8	189.8	267.7	0.00	0.00	0.00
2,500.0	10.67	134.84	2,475.3	-201.8	202.9	286.2	0.00	0.00	0.00
2,600.0	10.67	134.84	2,573.6	-214.9	216.1	304.7	0.00	0.00	0.00
2,700.0	10.67	134.84	2,671.9	-227.9	229.2	323.3	0.00	0.00	0.00
2,800.0	10.67	134.84	2,770.1	-241.0	242.3	341.8	0.00	0.00	0.00
2,900.0	10.67	134.84	2,868.4	-254.1	255.5	360.3	0.00	0.00	0.00
3,000.0	10.67	134.84	2,966.7	-267.1	268.6	378.8	0.00	0.00	0.00
3,100.0	10.67	134.84	3,064.9	-280.2	281.7	397.3	0.00	0.00	0.00
3,200.0	10.67	134.84	3,163.2	-293.2	294.9	415.9	0.00	0.00	0.00
3,300.0	10.67	134.84	3,261.5	-306.3	308.0	434.4	0.00	0.00	0.00
3,400.0	10.67	134.84	3,359.8	-319.4	321.1	452.9	0.00	0.00	0.00
3,500.0	10.67	134.84	3,458.0	-332.4	334.3	471.4	0.00	0.00	0.00
3,600.0	10.67	134.84	3,556.3	-345.5	347.4	490.0	0.00	0.00	0.00
3,700.0	10.67	134.84	3,654.6	-358.5	360.6	508.5	0.00	0.00	0.00
3,800.0	10.67	134.84	3,752.8	-371.6	373.7	527.0	0.00	0.00	0.00
3,900.0	10.67	134.84	3,851.1	-384.7	386.8	545.5	0.00	0.00	0.00
4,000.0	10.67	134.84	3,949.4	-397.7	400.0	564.0	0.00	0.00	0.00
4,100.0	10.67	134.84	4,047.6	-410.8	413.1	582.6	0.00	0.00	0.00
4,200.0	10.67	134.84	4,145.9	-423.8	426.2	601.1	0.00	0.00	0.00
4,300.0	10.67	134.84	4,244.2	-436.9	439.4	619.6	0.00	0.00	0.00
4,400.0	10.67	134.84	4,342.5	-450.0	452.5	638.1	0.00	0.00	0.00
4,500.0	10.67	134.84	4,440.7	-463.0	465.6	656.7	0.00	0.00	0.00
4,600.0	10.67	134.84	4,539.0	-476.1	478.8	675.2	0.00	0.00	0.00
4,700.0	10.67	134.84	4,637.3	-489.1	491.9	693.7	0.00	0.00	0.00
4,800.0	10.67	134.84	4,735.5	-502.2	505.0	712.2	0.00	0.00	0.00
4,900.0	10.67	134.84	4,833.8	-515.3	518.2	730.7	0.00	0.00	0.00
5,000.0	10.67	134.84	4,932.1	-528.3	531.3	749.3	0.00	0.00	0.00
5,100.0	10.67	134.84	5,030.3	-541.4	544.4	767.8	0.00	0.00	0.00
5,200.0	10.67	134.84	5,128.6	-554.5	557.6	786.3	0.00	0.00	0.00



<b>Database:</b>	EDM 2003.21 Single User Db	<b>Local Co-ordinate Reference:</b>	Well V-32-8-17
<b>Company:</b>	NEWFIELD EXPLORATION	<b>TVD Reference:</b>	V-32-8-17 @ 5223.0ft (Newfield Rig)
<b>Project:</b>	USGS Myton SW (UT)	<b>MD Reference:</b>	V-32-8-17 @ 5223.0ft (Newfield Rig)
<b>Site:</b>	SECTION 32 T8S, R17E	<b>North Reference:</b>	True
<b>Well:</b>	V-32-8-17	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	10.67	134.84	5,226.9	-567.5	570.7	804.8	0.00	0.00	0.00
5,400.0	10.67	134.84	5,325.1	-580.6	583.8	823.4	0.00	0.00	0.00
5,500.0	10.67	134.84	5,423.4	-593.6	597.0	841.9	0.00	0.00	0.00
5,600.0	10.67	134.84	5,521.7	-606.7	610.1	860.4	0.00	0.00	0.00
5,700.0	10.67	134.84	5,620.0	-619.8	623.2	878.9	0.00	0.00	0.00
5,800.0	10.67	134.84	5,718.2	-632.8	636.4	897.4	0.00	0.00	0.00
5,900.0	10.67	134.84	5,816.5	-645.9	649.5	916.0	0.00	0.00	0.00
6,000.0	10.67	134.84	5,914.8	-658.9	662.6	934.5	0.00	0.00	0.00
6,100.0	10.67	134.84	6,013.0	-672.0	675.8	953.0	0.00	0.00	0.00
6,200.0	10.67	134.84	6,111.3	-685.1	688.9	971.5	0.00	0.00	0.00
6,290.3	10.67	134.84	6,200.0	-696.8	700.7	988.2	0.00	0.00	0.00
V-32-8-17									

API Well Number: 43013508420000



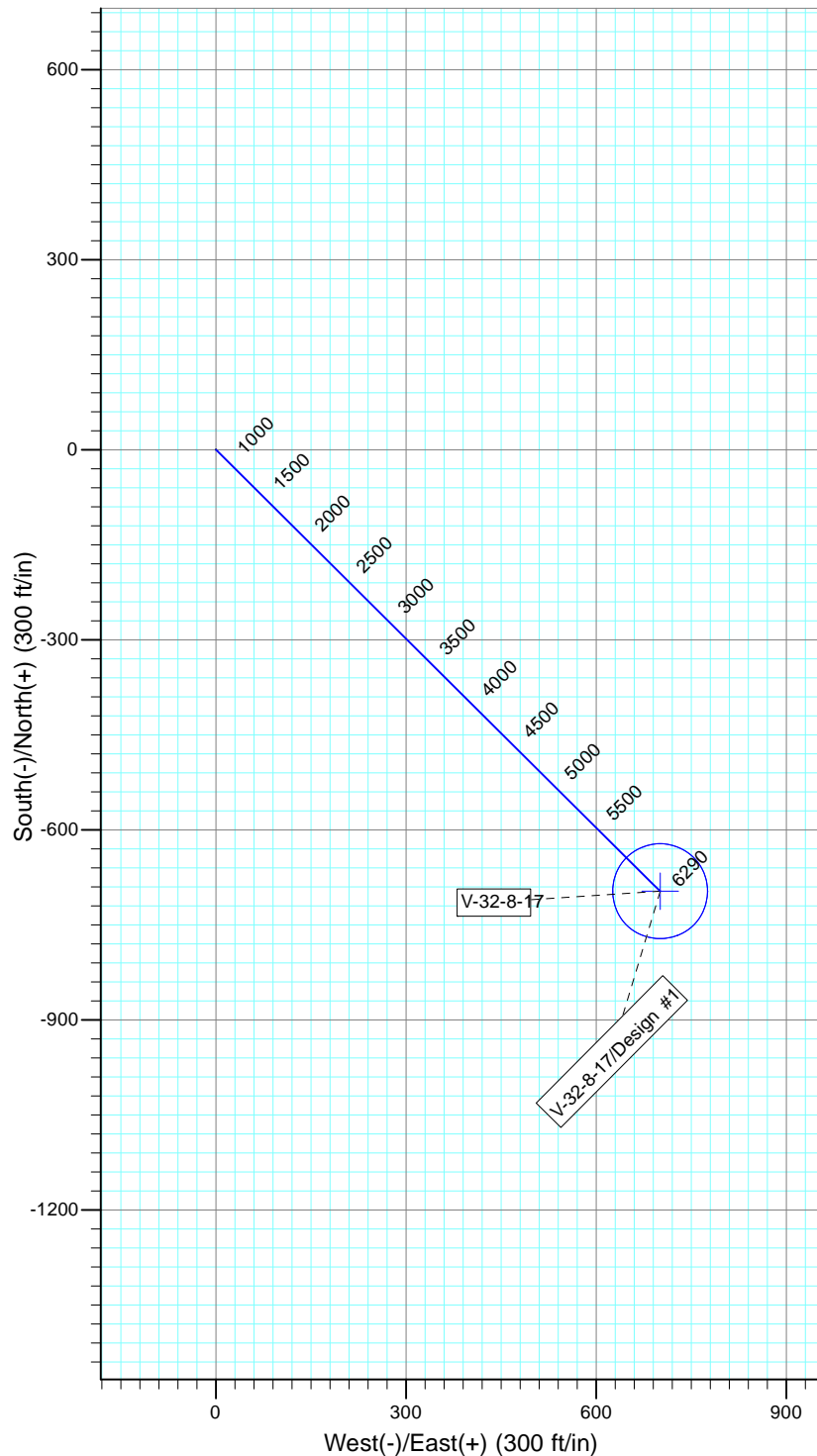
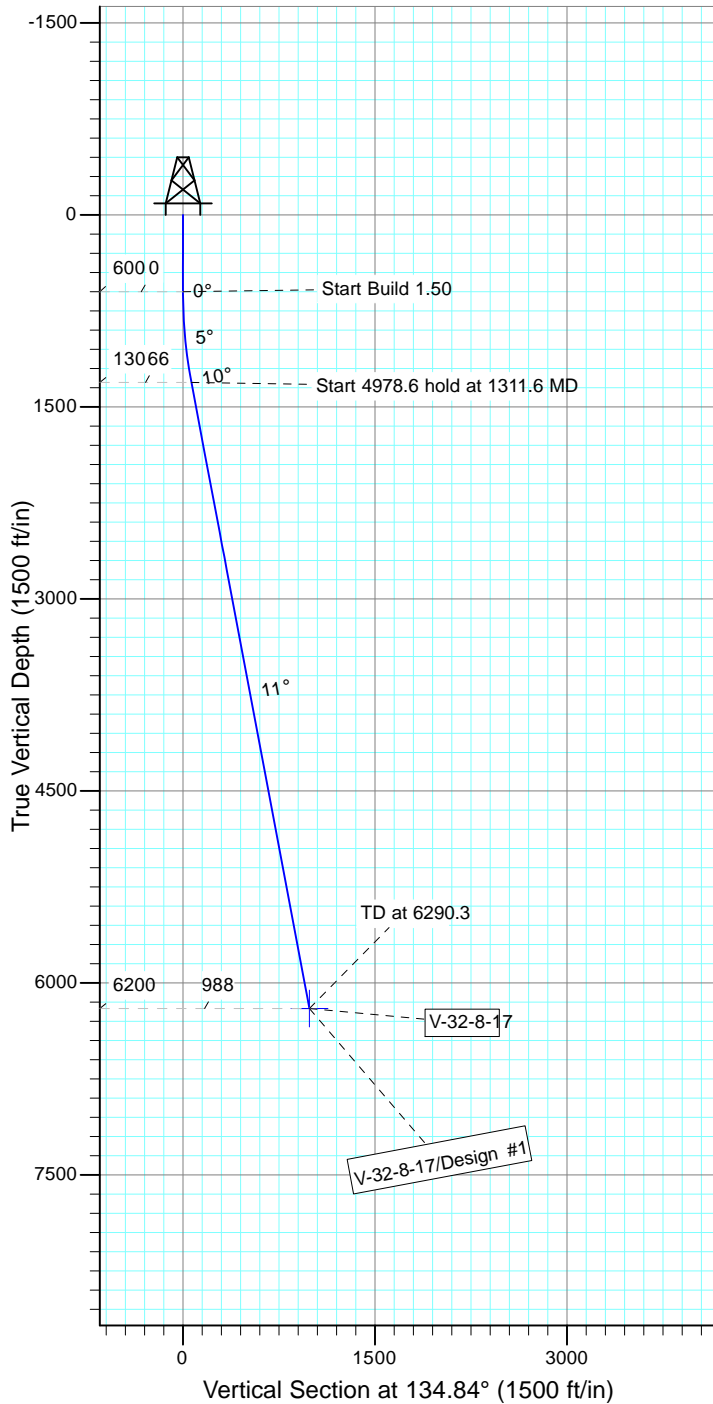
Project: USGS Myton SW (UT)  
 Site: SECTION 32 T8S, R17E  
 Well: V-32-8-17  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.34°

Magnetic Field  
 Strength: 52317.2snT  
 Dip Angle: 65.83°  
 Date: 2011/03/10  
 Model: IGRF2010

KOP @ 600'  
 DOGLEG RATE 1.5 DEG/100  
 TARGET RADIUS IS 75'



#### WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
V-32-8-17	6200.0	-696.8	700.7	Circle (Radius: 75.0)

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1311.6	10.67	134.84	1307.5	-46.6	46.9	1.50	134.84	66.1	
4	6290.3	10.67	134.84	6200.0	-696.8	700.7	0.00	0.00	988.2	V-32-8-17



**NEWFIELD PRODUCTION COMPANY  
GMBU V-32-8-17  
AT SURFACE: SW/SE (LOT #11) SECTION 32, T8S, R17E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU V-32-8-17 located in the SW 1/4 SE 1/4 Section 32, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles to the junction of this highway and UT State Hwy 53; proceed southeasterly – 9.9 miles to it's junction with the beginning of the access road to the west; proceed westerly along the access road – 135' to the existing 15-32-8-17 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 15-32-8-17 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District  
Water Right : 43-10136

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

Newfield Collector Well  
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

11. **OTHER ADDITIONAL INFORMATION :**

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or

archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

#### **Water Disposal**

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

#### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the GMBU V-32-8-17, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU V-32-8-17, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

#### **13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

##### Representative

Name: Tim Eaton  
Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

##### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #V-32-8-17, Section 32, Township 8S, Range 17E: Lease ML-22060 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

6/13/11  
Date

\_\_\_\_\_  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

## 2-M SYSTEM

Blowout Prevention Equipment Systems

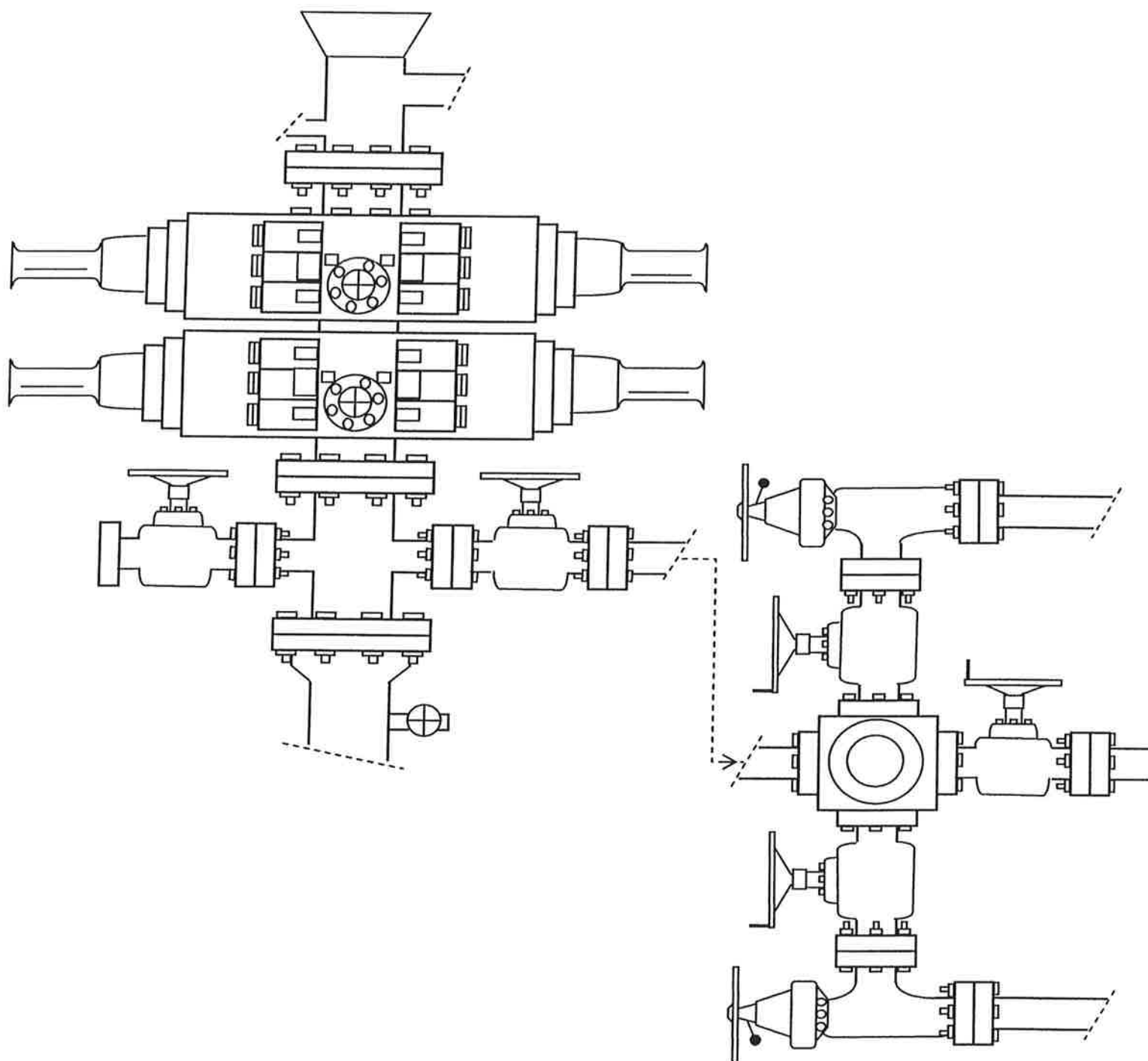


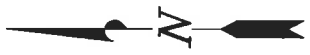
EXHIBIT C

NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

- V-32-8-17 (Proposed Well)
- R-32-8-17 (Existing Well)
- 15-32-8-17 (Existing Well)

Pad Location: SWSE (Lot 11) Section 32, T8S, R17E, S.L.B.&M.



TOP HOLE FOOTAGES

V-32-8-17 (PROPOSED)  
810' FSL & 1990' FEL

BOTTOM HOLE FOOTAGES

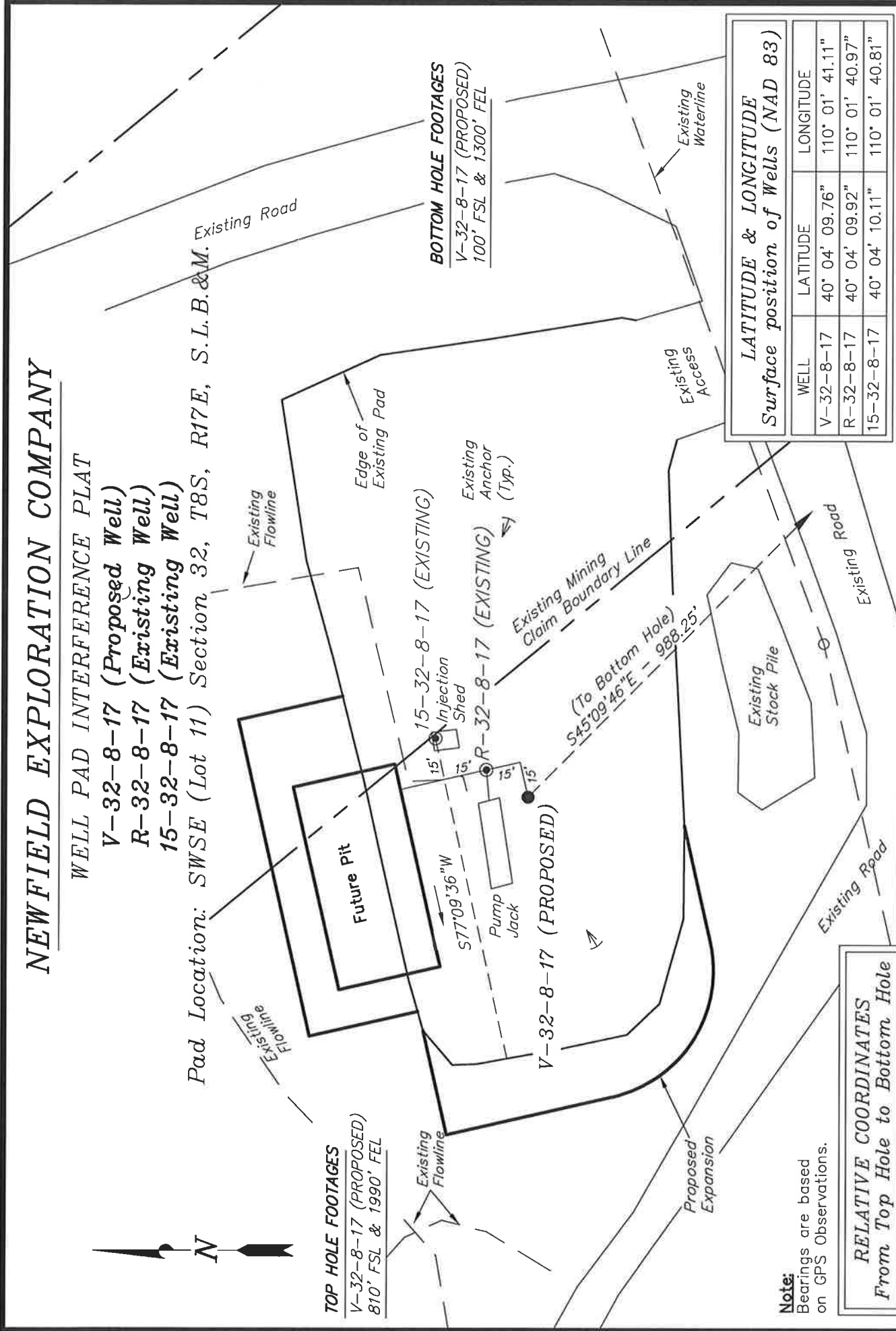
V-32-8-17 (PROPOSED)  
100' FSL & 1300' FEL

Note:  
Bearings are based  
on GPS Observations.

RELATIVE COORDINATES  
From Top Hole to Bottom Hole

WELL	NORTH	EAST
V-32-8-17	-699'	701'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)		
WELL	LATITUDE	LONGITUDE
V-32-8-17	40° 04' 09.76"	110° 01' 41.11"
R-32-8-17	40° 04' 09.92"	110° 01' 40.97"
15-32-8-17	40° 04' 10.11"	110° 01' 40.81"



SURVEYED BY: T.P.	DATE SURVEYED: 03-07-11	VERSION: V1
DRAWN BY: M.W.	DATE DRAWN: 03-23-11	
SCALE: 1" = 50'	REVISED:	

**Tri State**  
*Land Surveying, Inc.*  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD EXPLORATION COMPANY

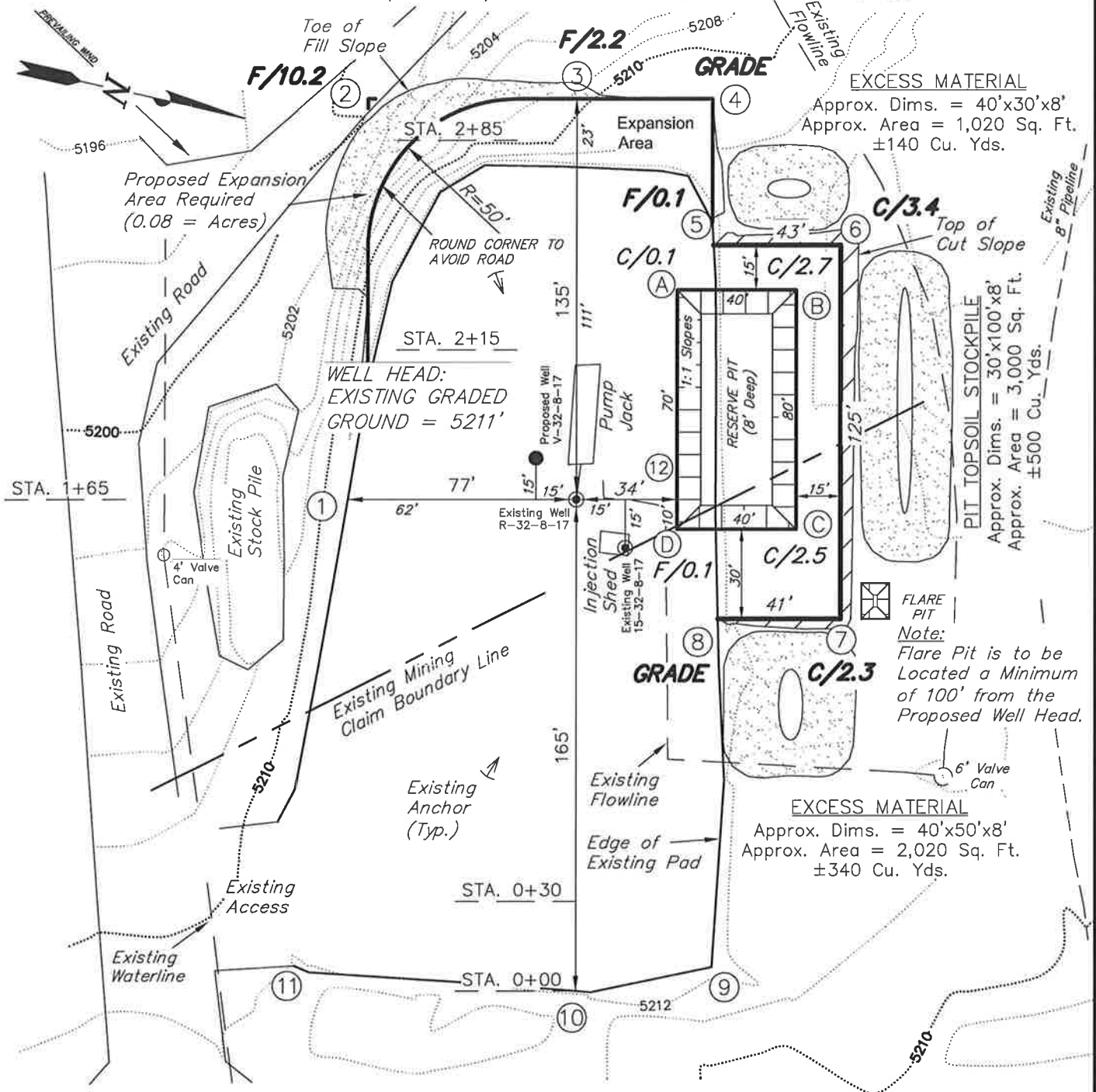
## LOCATION LAYOUT

V-32-8-17 (Proposed Well)

R-32-8-17 (Existing Well)

15-32-8-17 (Existing Well)

Pad Location: SWSE (Lot 11) Section 32, T8S, R17E, S.L.B.&M.



### NOTE:

The topsoil, excess material & temporary cuttings areas are calculated as being mounds containing 980 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

### Note:

Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

SURVEYED BY: T.P.	DATE SURVEYED: 03-07-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 03-24-11	V1
SCALE: 1" = 50'	REVISED:	

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD EXPLORATION COMPANY

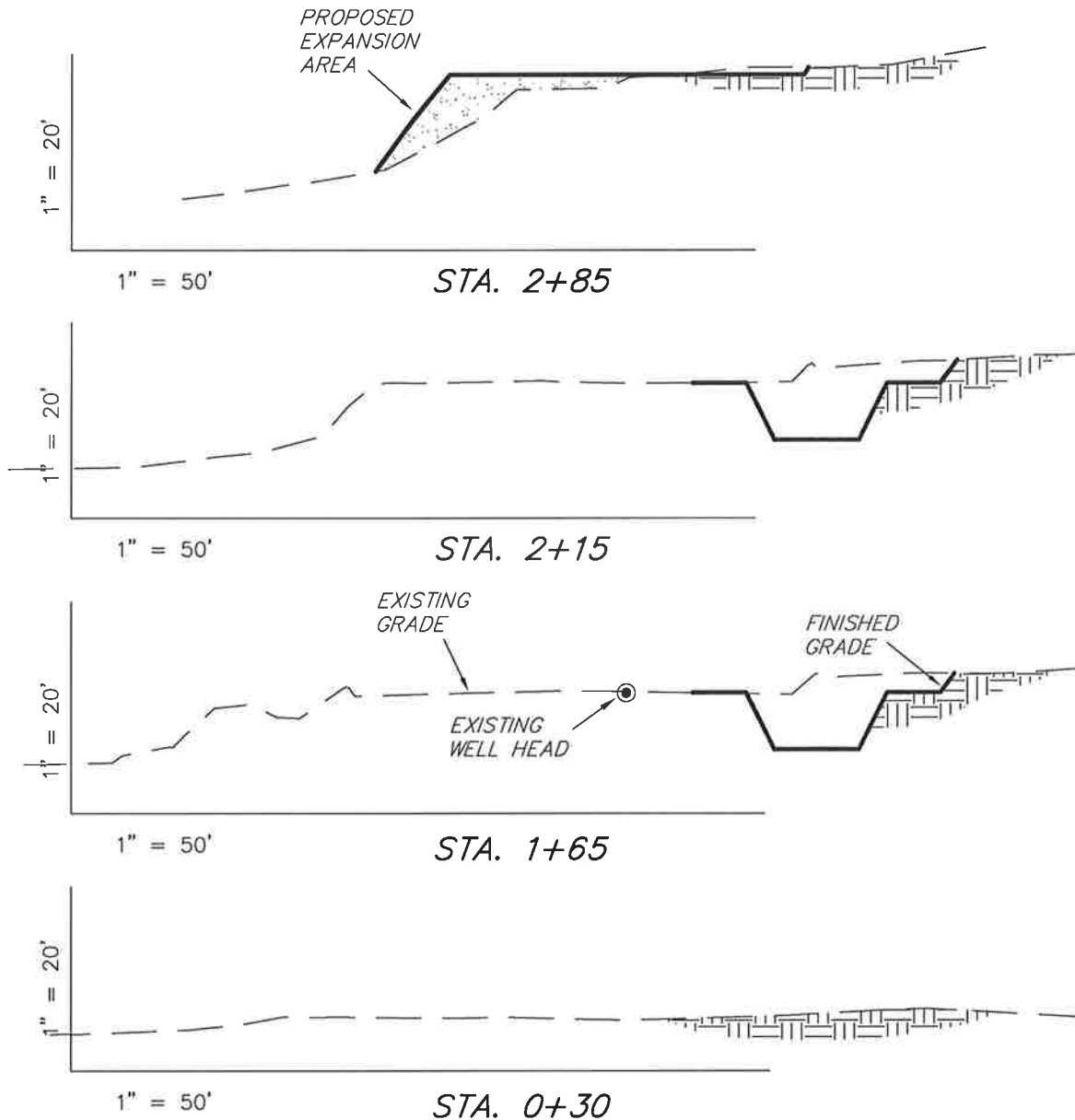
## CROSS SECTIONS

V-32-8-17 (Proposed Well)

R-32-8-17 (Existing Well)

15-32-8-17 (Existing Well)

Pad Location: SWSE (Lot 11) Section 32, T8S, R17E, S.L.B.&M.



NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	290	540	Topsoil is not included in Pad Cut	-250
PIT	690	0		690
TOTALS	980	540	450	440

SURVEYED BY: T.P.	DATE SURVEYED: 03-07-11	VERSION:
DRAWN BY: M.W.	DATE DRAWN: 03-24-11	V1
SCALE: 1" = 50'	REVISED:	

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501





*VIA ELECTRONIC DELIVERY*

June 14, 2011

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**GMBU V-32-8-17**  
Greater Monument Butte (Green River) Unit

Surface Hole: T8S-R17E Section 32: SWSE (ML-22060)  
810' FSL 1990' FEL

At Target: T8S-R17E Section 32: SESE (ML-22060)  
100' FSL 1300' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company ("NPC") of an Application for Permit to Drill the above referenced well dated 6/13/2011, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4153 or by email at [pburns@newfield.com](mailto:pburns@newfield.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Newfield Production Company

A handwritten signature in blue ink, appearing to read "P. Burns".

Peter Burns  
Land Associate

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: ML-22060	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Greater Monument Butte	
2. NAME OF OPERATOR: Newfield Production Company		9. WELL NAME and NUMBER: GMBU V-32-8-17	
3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052		PHONE NUMBER: (435) 646-3721	10. FIELD AND POOL, OR WILDCAT: Monument Butte
4. LOCATION OF WELL (FOOTAGES):  AT SURFACE: SW/SE 810' FSL 1990' FEL Sec. 32 T8S R17E AT PROPOSED PRODUCING ZONE: SE/SE 100' FSL 1300' FEL Sec. 32 T8S R17E		11. QTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 32 8S 17E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 11.4 miles southeast of Myton, Utah		12. COUNTY: Duchesne	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 100' f/lse line, NA' f/unit line	16. NUMBER OF ACRES IN LEASE: 598.67 acres	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1,407'	19. PROPOSED DEPTH: 6,290	20. BOND DESCRIPTION: #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5211' GL	22. APPROXIMATE DATE WORK WILL START: 3rd Qtr. 2011	23. ESTIMATED DURATION: (15) days from SPUD to rig release	

24.

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	8 5/8 J-55 24.0	300	Class G w/2% CaCl 155 sx +/- 1.17 15.8
7 7/8	5 1/2 J-55 15.5	6,290	Lead(Prem Lite II) 275 sx +/- 3.26 11.0
			Tail (50/50 Poz) 450 sx +/- 1.24 14.3

25.

**ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- |                                                                                                                                                                                                      |                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER<br><input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN<br><input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|

NAME (PLEASE PRINT) Mandie CrozierTITLE Regulatory Specialist

SIGNATURE

DATE

(This space for State use only)

API NUMBER ASSIGNED: \_\_\_\_\_

APPROVAL: \_\_\_\_\_




## Access Road Map

Mylon  $\pm 11.3$  mi.

V-32-8-17 (Proposed Well)  
 R-32-8-17 (Existing Well)  
 15-32-8-17 (Existing Well)

$\pm 53'$   $\pm 82'$

## Legend

 Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State**  
**Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
 F: (435) 781-2518

N

**NEWFIELD EXPLORATION COMPANY**

V-32-8-17 (Proposed Well)

R-32-8-17 (Existing Well)

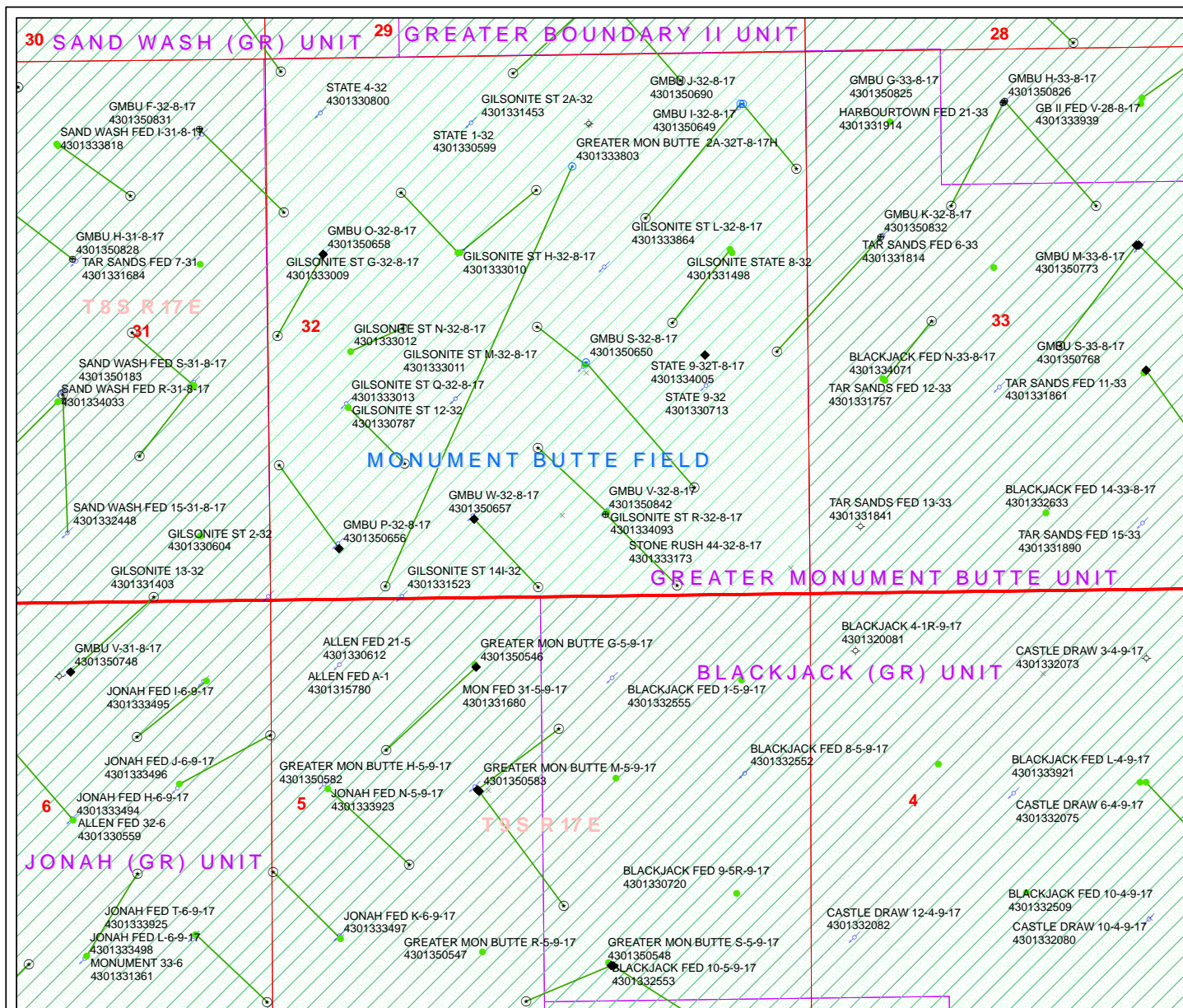
15-32-8-17 (Existing Well)

SEC. 32, T8S, R17E, S.L.B.&amp;M. Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	VERSION:
DATE:	04-25-2011		V1
SCALE:	1" = 2,000'		

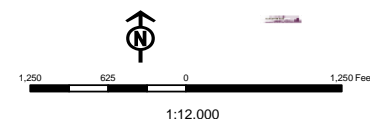
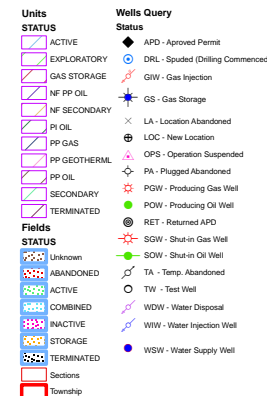
**TOPOGRAPHIC MAP**

SHEET  
**B**



**API Number: 4301350842**  
**Well Name: GMBU V-32-8-17**  
**Township T0.8 . Range R1.7 . Section 32**  
**Meridian: SLBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

## IN REPLY REFER TO:

3160

(UT-922)

June 16, 2011

## Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument  
Butte Unit, Duchesne and Uintah Counties,  
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50835	GMBU G-32-8-16 Sec 32	T08S R16E 2096 FNL 1994 FWL
	BHL Sec 32	T08S R16E 1307 FNL 1334 FWL
43-013-50836	GMBU H-32-8-16 Sec 32	T08S R16E 2118 FNL 1995 FWL
	BHL Sec 32	T08S R16E 1132 FNL 2443 FEL
43-013-50837	GMBU L-32-8-16 Sec 32	T08S R16E 1965 FSL 0559 FEL
	BHL Sec 32	T08S R16E 2437 FNL 1580 FEL
43-013-50838	GMBU Q-32-8-16 Sec 32	T08S R16E 1898 FSL 1988 FWL
	BHL Sec 32	T08S R16E 1156 FSL 1182 FWL
43-013-50839	GMBU R-32-8-16 Sec 32	T08S R16E 1900 FSL 2010 FWL
	BHL Sec 32	T08S R16E 1177 FSL 2456 FEL
43-013-50840	GMBU R-1-9-16 Sec 01	T09S R16E 0941 FSL 1927 FWL
	BHL Sec 01	T09S R16E 1460 FSL 2364 FEL
43-013-50841	GMBU C-12-9-16 Sec 01	T09S R16E 0924 FSL 1914 FWL
	BHL Sec 12	T09S R16E 0368 FNL 2446 FEL
43-013-50842	GMBU V-32-8-17 Sec 32	T08S R17E 0810 FSL 1990 FEL
	BHL Sec 32	T08S R17E 0100 FSL 1300 FEL

**RECEIVED: June 16, 2011**

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ GREEN RIVER)

43-047-51665	GMBU W-2-9-17	Sec 02 T09S R17E 0650 FSL 1963 FWL
	BHL	Sec 02 T99S R17E 9100 FSL 2629 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,  
ou=Branch of Minerals, email=Michael\_Coulthard@blm.gov, c=US  
Date: 2011.06.16 10:25:36 -06'00'

bcc: File - Greater Monument Butte Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:6-16-11

**RECEIVED: June 16, 2011**

**From:** Jim Davis  
**To:** Bonner, Ed; Garrison, LaVonne; Hill, Brad; Mason, Diana  
**CC:** mcrozier@newfield.com; teaton@newfield.com  
**Date:** 7/14/2011 8:48 AM  
**Subject:** Newfield APD approvals

The following wells have been approved by SITLA including arch and paleo clearance.

Newfield Production's GMBU V-32-8-17 [API #4301350842]  
Newfield Production's GMBU S-32-8-16 [API #4301350789]  
Newfield Production's GMBU L-32-8-16 [API #4301350837]  
Newfield Production's GMBU I-16-9-17 [API #4301350790]  
Newfield Production's GMBU H-16-9-17 [API #4301350788]  
Newfield Production's GMBU H-32-8-16 [API #4301350836]  
Newfield Production's GMBU G-32-8-16 [API #4301350835]  
Newfield Production's GMBU Q-32-8-16 [API #4301350838]  
Newfield Production's GMBU R-32-8-16 [API #4301350839]  
Newfield Production's GMBU W-2-9-17 [API #4304751665]  
Newfield Production's GMBU K-16-9-17 [API #4301350787]  
Newfield Production's GMBU S-16-9-17 [API #4301350793]  
Newfield Production's GMBU L-16-9-17 [API #4301350791]  
Newfield Production's GMBU M-16-9-17 [API #4301350794]  
Newfield Production's GMBU R-16-9-17 [API #4301350792]

-Jim Davis

Jim Davis  
Utah Trust Lands Administration  
jimdavis1@utah.gov  
Phone: (801) 538-5156

**RECEIVED: July 18, 2011**

Well Name	NEWFIELD PRODUCTION COMPANY GMBU V-32-8-17 4301			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	300	6200		
Previous Shoe Setting Depth (TVD)	0	300		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2705	8.4		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	129	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	93	YES air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	63	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	63	NO OK
Required Casing/BOPE Test Pressure=		300	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2708	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1964	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1344	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1410	NO Reasonable for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		300	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43013508420000

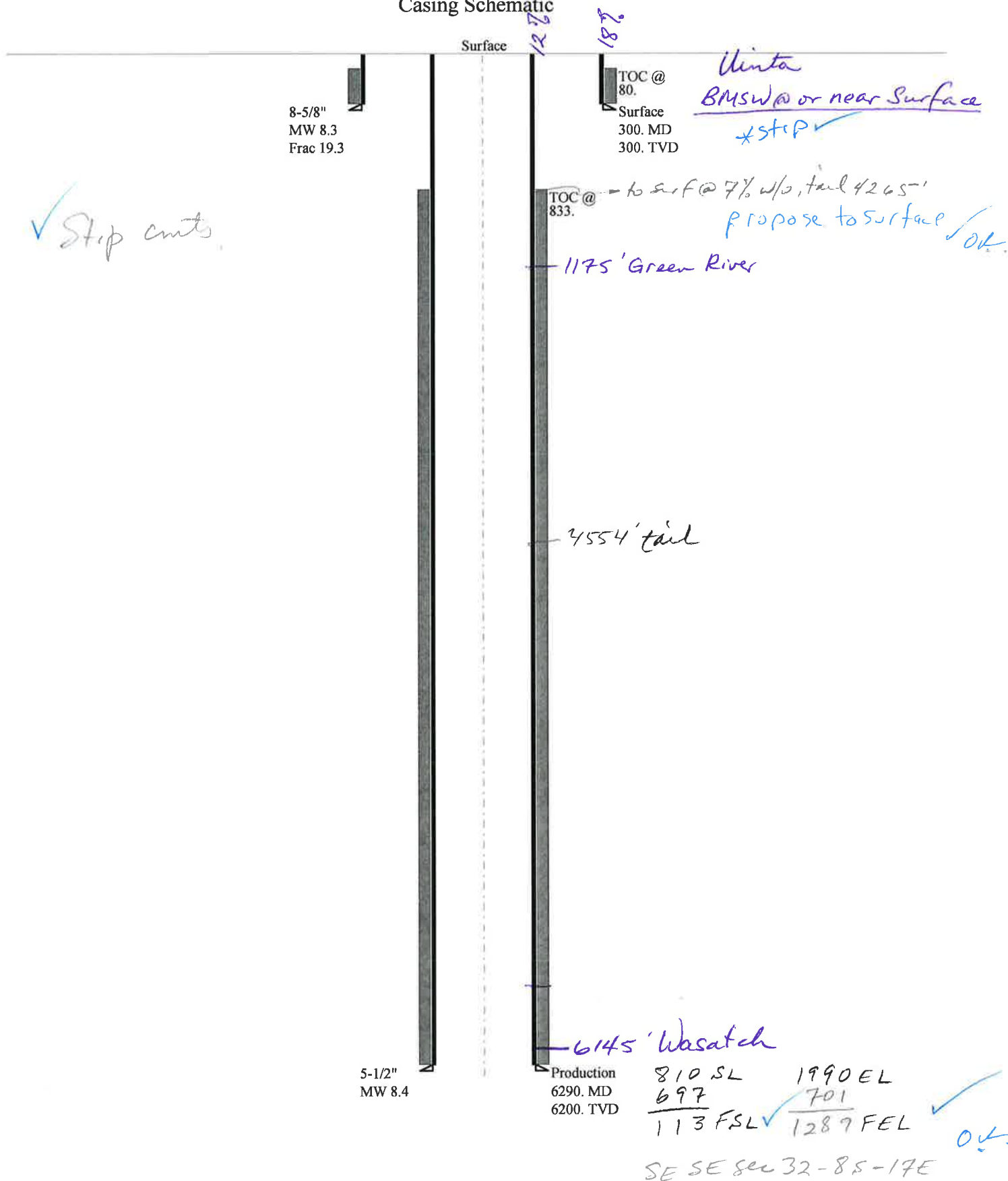
\*Max Pressure Allowed @ Previous Casing Shoe=

psi \*Assumes 1psi/ft frac gradient

**RECEIVED:** August 17, 2011

# 43013508420000 GMBU V-32-8-17

## Casing Schematic



Well name:	<b>43013508420000 GMBU V-32-8-17</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Surface	Project ID:	43-013-50842
Location:	DUCHESNE COUNTY		

**Design parameters:****Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 78 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 80 ft

**Burst**

Max anticipated surface pressure: 264 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 300 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 262 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 6,200 ft  
Next mud weight: 8.400 ppg  
Next setting BHP: 2,705 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 300 ft  
Injection pressure: 300 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	1544

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	130	1370	10.557	300	2950	9.83	7.2	244	33.90 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: August 9, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013508420000 GMBU V-32-8-17</b>		
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>		
String type:	Production	Project ID:	43-013-50842
Location:	DUCHESNE COUNTY		

**Design parameters:****Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 161 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 833 ft

**Burst**

Max anticipated surface pressure: 1,341 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 2,705 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

**Directional Info - Build & Hold**

Kick-off point 600 ft  
Departure at shoe: 988 ft  
Maximum dogleg: 1.5 °/100ft  
Inclination at shoe: 10.67 °

Tension is based on air weight.  
Neutral point: 5,488 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6290	5.5	15.50	J-55	LT&C	6200	6290	4.825	22210
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2705	4040	1.493	2705	4810	1.78	96.1	217	2.26 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: August 9, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6200 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

<b>Operator</b>	NEWFIELD PRODUCTION COMPANY				
<b>Well Name</b>	GMBU V-32-8-17				
<b>API Number</b>	43013508420000	<b>APD No</b>	4002	<b>Field/Unit</b>	MONUMENT BUTTE
<b>Location: 1/4,1/4</b>	SWSE	<b>Sec</b>	32	<b>Tw</b>	8.0S Rng 17.0E 810 FSL 1990 FEL
<b>GPS Coord (UTM)</b>	582942 4435701	<b>Surface Owner</b>			

### **Participants**

Floyd Bartlett (DOGM), Tim Eaton (Newfield), Jim Davis (SITLA) and Alex Hansen (UDWR).

### **Regional/Local Setting & Topography**

The proposed GMBU V-32-8-17 oil well will be directional drilled from the pad of the GMBU R-32-8-17 producing oil well and the State 15-32-8-17 injection well. The area is designated for 20 acre spacing. A 23 foot extension to the pad will be made on the west end. For this expansion, fill will have to be hauled to the site. No drainage diversions are needed.

A field review of the existing pad showed no stability concerns as it now exists. It should be suitable for drilling and operating the proposed additional wells.

SITLA owns the surface and the minerals.

### **Surface Use Plan**

#### **Current Surface Use**

Existing Well Pad

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
	<b>Width   Length</b>		

#### **Ancillary Facilities**

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

#### **Affected Floodplains and/or Wetlands**

#### **Flora / Fauna**

Existing pad.

#### **Soil Type and Characteristics**

#### **Erosion Issues**

#### **Sedimentation Issues**

#### **Site Stability Issues**

#### **Drainage Diversion Required?**

#### **Berm Required?**

**Erosion Sedimentation Control Required?****Paleo Survey Run?****Paleo Potential Observed?****Cultural Survey Run?****Cultural Resources?****Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5	
<b>Distance to Surface Water (feet)</b>	>1000	0	
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0	
<b>Distance to Other Wells (feet)</b>		20	
<b>Native Soil Type</b>	Mod permeability	10	
<b>Fluid Type</b>	Fresh Water	5	
<b>Drill Cuttings</b>	Normal Rock	0	
<b>Annual Precipitation (inches)</b>		0	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
	<b>Final Score</b>	40	1 Sensitivity Level

**Characteristics / Requirements**

A 40' x 80' x 8' deep will be dug in the northwest corner of the site. It will be lined with a 16-mil liner and sub felt.

**Closed Loop Mud Required?** N **Liner Required?** **Liner Thickness** 16 **Pit Underlayment Required?** Y

**Other Observations / Comments**

Floyd Bartlett  
Evaluator

6/14/2011  
Date / Time

# Application for Permit to Drill Statement of Basis

8/17/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4002	43013508420000	LOCKED	OW	S	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>		
<b>Well Name</b>	GMBU V-32-8-17		<b>Unit</b>	GMBU (GRRV)	
<b>Field</b>	MONUMENT BUTTE		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWSE 32 8S 17E S 810 FSL 1990 FEL GPS Coord (UTM) 582946E 4435701N				

## Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at or near the surface. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of section 32. No depth is listed for this well. The well is owned by the BLM and its listed use is for stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill  
**APD Evaluator**

6/27/2011  
**Date / Time**

## Surface Statement of Basis

The proposed GMBU V-32-8-17 oil well will be directional drilled from the pad of the GMBU R-32-8-17 producing oil well and the State 15-32-8-17 injection well. The area is designated for 20 acre spacing. A 23 foot extension to the pad will be made on the west end. For this expansion, fill will have to be hauled to the site. No drainage diversions are needed.

A field review of the existing pad showed no stability concerns as it now exists. It should be suitable for drilling and operating the proposed additional wells.

SITLA owns the surface and the minerals. Mr. Jim Davis of SITLA attended the evaluation and had no concerns. Mr. Alex Hansen of the UDWR also attended and had no recommendations for wildlife.

Floyd Bartlett  
**Onsite Evaluator**

6/14/2011  
**Date / Time**

## Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

**RECEIVED: August 17, 2011**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 6/14/2011**API NO. ASSIGNED:** 43013508420000**WELL NAME:** GMBU V-32-8-17**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** SWSE 32 080S 170E**Permit Tech Review:** ☒**SURFACE:** 0810 FSL 1990 FEL**Engineering Review:** ☒**BOTTOM:** 0100 FSL 1300 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.06939**LONGITUDE:** -110.02732**UTM SURF EASTINGS:** 582946.00**NORTHINGS:** 4435701.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-22060**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** STATE - B001834☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 437478☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:** GMBU (GRRV)☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 213-11**Effective Date:** 11/30/2009**Siting:** Suspends General Siting☒ **R649-3-11. Directional Drill****Comments:** Presite Completed

**Stipulations:** 5 - Statement of Basis - bhill  
8 - Cement to Surface -- 2 strings - hmadonald  
15 - Directional - dmason  
27 - Other - bhill

**RECEIVED: August 17, 2011**



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

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**Well Name:** GMBU V-32-8-17  
**API Well Number:** 43013508420000  
**Lease Number:** ML-22060  
**Surface Owner:** STATE  
**Approval Date:** 8/17/2011

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Cement volumes for the 8 5/8" and 5 1/2" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet

- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



For John Rogers  
Associate Director, Oil & Gas

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross # 29 Submitted  
By Branden Arnold Phone Number 435-401-223  
Well Name/Number GBMU V-32-8-17  
Qtr/Qtr SW/SE Section 32 Township 8S Range 17E  
Lease Serial Number ML-22060  
API Number 43-013-50842

Spud Notice – Spud is the initial spudding of the well, not drilling  
out below a casing string.

Date/Time 8/29/11 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing  
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 8/29/11 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-22060
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: GMBU V-32-8-17
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 32, T8S, R17E		9. API NUMBER: 4301350842
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
08/31/2011	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 8/29/11 MIRU Ross #29. Spud well @9:00 AM. Drill 340' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24# csgn. Set @ 340.47. On 8/31/11 cement with 160 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 6 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold TITLE \_\_\_\_\_  
SIGNATURE *Branden Arnold* DATE 08/31/2011

(This space for State use only)

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SEP 06 2011

DIV. OF OIL, GAS & MINING

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 340.47

LAST CASING 14 SET AT 7  
 DATUM 10  
 DATUM TO CUT OFF CASING 10  
 DATUM TO BRADENHEAD FLANGE 10  
 TD DRILLER 340 LOGGER \_\_\_\_\_  
 HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company  
 WELL GMBU V-32-8-17  
 FIELD/PROSPECT Monument Butte  
 CONTRACTOR & RIG # Ross # 29

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION		WT / FT	GRD	THREAD	CONDT	LENGTH
1		wellhead					A	1.42
7	8 5/8"	casing (shoe jt 41.20)		24	J-55	STC	A	330.15
1	8 5/8"	guide shoe					A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING				
TOTAL LENGTH OF STRING		332.47	7	LESS CUT OFF PIECE				
LESS NON CSG. ITEMS		2.32		PLUS DATUM TO T/CUT OFF CSG				
PLUS FULL JTS. LEFT OUT				CASING SET DEPTH				
TOTAL		330.15	7					
TOTAL CSG. DEL. (W/O THRDS)				} COMPARE				
TIMING								
BEGIN RUN CSG.	Spud	9:00 AM	8/29/2011	GOOD CIRC THRU JOB <u>Yes</u>				
CSG. IN HOLE		3:00 AM	3/29/2011	Bbls CMT CIRC TO SURFACE _____				
BEGIN CIRC		2:11 PM	8/31/2011	RECIPROCATED PIPI <u>No</u>				
BEGIN PUMP CMT		2:24 PM	8/31/2011	BUMPED PLUG TO <u>420</u>				
BEGIN DSPL. CMT		2:35 PM	8/31/2011					
PLUG DOWN		2:42 PM	8/31/2011					

CEMENT USED		CEMENT COMPANY- BJ
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	160	Class "G"+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 6bbbls to pit.
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING
Middle of first, top of second and third for a total of three.		

COMPANY REPRESENTATIVE

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	4301350243	GMBU 15-22-9-15H	SWSE	22	9S	15E	DUCHESNE	8/31/2011	9/20/11
WELL 1 COMMENTS: GRRV BHL = Sec 15 SESE <b>CONFIDENTIAL</b>											
B	99999	17400	4304751665	GMBU W-2-9-17	SWSE	2	9S	17E	UINTAH	9/1/2011	9/20/11
GRRV BHL = SWSE											
A	99999	18202	4304751499	UTE TRIBAL 1-14-4-1W	NENE	14	4S	1W	UINTAH	8/26/2011	9/20/11
GRRV <b>CONFIDENTIAL</b>											
B	99999	17400	4301350653	GMBU V-32-8-17	SWSE	32	8S	17E	DUCHESNE	8/29/2011	9/20/11
GRRV BHL = SESE											
B	99999	17400	4301350629	GMBU S-3-9-16	SESE	3	9S	16E	DUCHESNE	8/30/2011	9/20/11
GRRV BHL = NWSE											
A	99999	18203	4301350849	LAMB 14-13-3-2	SESW	13	3S	2E	DUCHESNE	8/30/2011	9/20/11
WSTC <b>CONFIDENTIAL</b>											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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SEP 08 2011

DIV. OF OIL, GAS & MINING

*[Signature]*  
Production Clerk

Jentri Park

09/08/11

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22060
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> GMBU V-32-8-17
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 0810 FSL 1990 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 32 Township: 08.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013508420000
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE		<b>COUNTY:</b> DUCHESNE
<b>STATE:</b> UTAH		
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 10/31/2011	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>CHANGE WELL TYPE</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>NEW CONSTRUCTION</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PLUG BACK</b>	
	<input checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TEMPORARY ABANDON</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER DISPOSAL</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>APD EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b> <input style="width: 100px;" type="text"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> The above well was completed on 10/31/2011. Attached is a daily completion status report.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/7/2011	

## Daily Activity Report

### Format For Sundry

### GMBU V-32-8-17

8/1/2011 To 12/30/2011

**10/14/2011 Day: 1**

**Completion**

Rigless on 10/14/2011 - Run CBL and perf 1st. - NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, csg & casing valves to 4500 psi. RU PSI LLC WLT w/ Crane & run CBL. WLTD @ 6110' & cement top @ 400'. Perforate stage #1,A3 sds w/ 3 1/8" disposable guns ( 16 gram .38" EH 21.00" pen w/120° phasing) w/ 3 spf for total of 18 shots. RD H/O truck & The PSI WLT & mast. Wait on frac crew EWTR148 BBLs

**Daily Cost:** \$0

**Cumulative Cost:** \$25,280

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**10/24/2011 Day: 2**

**Completion**

Rigless on 10/24/2011 - Safety Standown W/ Baker Huges, Extreme Wire line & Weatherford. Frac & Flow Back - Safety Meeting. JSA. ( RIG UP & Frac ) Frac & Flow Back Well as Detailed in Procedure Flowed back 800bbls WTR 1652bbls

**Daily Cost:** \$0

**Cumulative Cost:** \$151,079

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**10/26/2011 Day: 3**

**Completion**

Stone #8 on 10/26/2011 - Set Kill Plug @ 4220'. Spot Tbg.MIRU Rig ND Frac BOPs. NU BOPs - RU Extreme RIH Set Kill Plug @ 4220' POOH Bleed off press. RD Extreme ROAD RIG FROM 15-22-9-15 WAITE FOR TBG TRUCK TO MOVE RIG INSPECTION SPOT IN AND RIG UP SPOT IN PUMP AND TANK ND AND NU BOPS NU WASHINGTON HEAD SWAP FLANGES RU FLOOR TONGS GET TBG READY AND TALLY FIRST ROW SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$195,288

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**10/27/2011 Day: 4**

**Completion**

Stone #8 on 10/27/2011 - Clean Out Well - 530 TO 630 CREW TRAVEL SAFETY MEETING TOPIC JSA( PU TBG USE PUMP AND SWIVEL DRILL PLUGS) NO PRESSURE ON WELL PU AND RIH W BIT AND BIT SUB TBG STAB STRIPING RUBBER RU PUMP AND LINES ROLL OUT OIL @ 2400' W/ 30 BBL GET REST OF TBG READY TALLY PU TBG ROLL OUT OIL @ 3900' TAG PLUG @ 4220' RU SWIVEL DRILL OUT KILL PLUG 30 MIN ROLL OUT GAS KICK SWIVEL IN TO PLUG @ 4420' NO SAND DRILL OUT 30 MN SWIVEL IN TO PLUG @ 4950' NO SAND DRILL OUT 30 MIN PU 1 JNT EOT @ 4984' DRAIN PUMP 100 BBL GAIN TODAY SWIFN 500 TO 600 CREW TRAVEL SAFETY MEETING AT STONE OFFICE 200 BBL TRANSFERRED FROM FRACK TANKS OVER NIGHT W/ 1 LOAD 130 BBL IN

**Daily Cost:** \$0

**Cumulative Cost:** \$202,863

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**10/28/2011 Day: 5**

**Completion**

Stone #8 on 10/28/2011 - Clean Out Well To PBTD @ 6159' Swab Back 150 bbls, 15% oil, med gas,No sand, FFL @ 600' POOH EOT @ 5451' - 530 TO 630 CREW TRAVEL SAFETY

**RECEIVED** Nov. 07, 2011

MEETING TOPIC PU TBG USE SWIVEL PUMP DRILL PLUGS SWABING SICP 50 # SITP 200 # OPEN CSG AND PUMP 50 BBL DOWN TBG SWIVEL IN TO 5175' WASH 15' SAND AND DRILL OUT PLUG @ 5190' 35 MIN RD SWIVEL PU TBG TAG @ 6011' RU SWIVEL WASH 148' SAND TO PBTD @ 6159' ROLL OUT SAND RD AND RACK OUT SWIVEL LD 3 JNTS TBG EOT @ 6076' RU SWAB EQUIPMENT MAKE 16 RUNS GOT 150 BBL BACK 15 % OIL GASSY FLUID LVL 600' ALMOST NO SAND RD SWAB EQUIPMENT PU 3 JNTS NO FILL ROLL HOLE DOWN CSG UP TBG W/ 150 BBL LD 23 JNTS TBG EOT @ 5451' DRAIN PUMP LINES SWIFN

**Daily Cost:** \$0

**Cumulative Cost:** \$214,528

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**10/31/2011 Day: 6**

**Completion**

Stone #8 on 10/31/2011 - RIH W/ Prod Tbg & Rods - 530 TO 630 CREW TRAVEL SAFETY MEETING TOPIC TRIP TBG SET TAC ND BOPS PU RODS RIG DOWN SICP AND SITP 50 # ROLL HOLE W/ 120 BBL POOH W TBG LD BIT AND SUB RIH W NOTCHED COLLAR 2 JNTS TBG PSN 1 JNT TBG 5 1/2" TAC 172 JNTS TBG SET TAC W/ 18K TENSION RD FLOOR ND BOPS LAND TBG NU WELLHEAD FLUSH TBG W/ 30 BBL PU AND PRIME 2 1/2" X 1 3/4" X 24' CEN HYDRO PUMP 12 7/8" 8 PERS 143 3/4" 4 PERS 59 7/8" 8 PERS 6' 4' 2" X 7/8" PONY RODS PU POLISH ROD HOLE FULL TEST TO 800# GOOD TEST RU UNIT RACK OUT AND DRAIN PUMP 630 TO 730 CREW TRAVEL POP 615 144" SL 4 SPM **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$251,753

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**Pertinent Files:** [Go to File List](#)

**RECEIVED** Nov. 07, 2011

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. ML-22060																																																																									
2. Name of Operator NEWFIELD EXPLORATION COMPANY						6. If Indian, Allottee or Tribe Name																																																																									
3. Address 1401 17TH ST. SUITE 1000 DENVER, CO 80202						7. Unit or CA Agreement Name and No. GMBU (GRRV)																																																																									
3a. Phone No. (include area code) (435) 646-3721						8. Lease Name and Well No. GMBU V-32-8-17																																																																									
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface 810' FSL & 1990' FEL (SW/SE) SEC. 32, T8S, R17E (ML-22060)  At top prod. interval reported below 348' FSL & 1525' FEL (SW/SE) SEC. 32, T8S, R17E (ML-22060)  At total depth 133' FSL & 1314' FEL (SE/SE) SEC. 32, T8S, R17E (ML-22060)						9. AFI Well No. 43-013-50842																																																																									
10. Field and Pool or Exploratory MONUMENT BUTTE						11. Sec., T., R., M., on Block and Survey or Area SEC. 32, T8S, R17E																																																																									
12. County or Parish DUCHESNE						13. State UT																																																																									
14. Date Spudded 08/29/2011						15. Date T.D. Reached 10/02/2011																																																																									
16. Date Completed 10/28/2011 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						17. Elevations (DF, RKB, RT, GL)* 5211' GL 5221' KB																																																																									
18. Total Depth: MD 6170' TVD 6085'						19. Plug Back T.D.: MD 6159' TVD 6014'																																																																									
20. Depth Bridge Plug Set: MD TVD						21. Type Electric & Other Mechanical Logs Run (Submit copy of each) TEMP DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND																																																																									
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)						23. Casing and Liner Record (Report all strings set in well)																																																																									
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\*(See instructions and spaces for additional data on page 2)

RECEIVED  
FEB 13 2012

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD AND USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4297'	5377'		GARDEN GULCH MARKER GARDEN GULCH 1	3820' 4017'
				GARDEN GULCH 2 POINT 3 MRKR	4132' 4402'
				X MRKER Y MRKR	4646' 4685'
				DOUGLAS CREEK BI-CARBONATE	4814' 5057'
				B LIMESTONE CASTLE PEAK	5193' 5673'
				BASAL CARBONATE	6095'

## 32. Additional remarks (include plugging procedure):

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling Daily Activity

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Jennifer Peatross

Title Production Technician

Signature

Date 11/29/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

**NEWFIELD**



# **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 32 T8S, R17E  
V-32-8-17**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**26 October, 2011**





# Payzone Directional Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 32 T8S, R17E  
**Well:** V-32-8-17  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well V-32-8-17  
**TVD Reference:** V-32-8-17 @ 5223.0ft (Capstar 328)  
**MD Reference:** V-32-8-17 @ 5223.0ft (Capstar 328)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

**Project** USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

**Map System:** US State Plane 1983  
**Geo Datum:** North American Datum 1983  
**Map Zone:** Utah Central Zone  
**System Datum:** Mean Sea Level

**Site** SECTION 32 T8S, R17E, SEC 32 T8S, R17E

**Site Position:**  
**From:** Lat/Long  
**Position Uncertainty:** 0.0 ft  
**Northing:** 7,199,243.00 ft  
**Easting:** 2,052,198.00 ft  
**Slot Radius:** "  
**Latitude:** 40° 4' 28.149 N  
**Longitude:** 110° 1' 42.260 W  
**Grid Convergence:** 0.94 °

**Well** V-32-8-17, SHL LAT: 40 04 09.76 LONG: -110 01 41.11

**Well Position** +N/-S 0.0 ft Northing: 7,197,384.03 ft Latitude: 40° 4' 9.760 N  
+E/-W 0.0 ft Easting: 2,052,318.02 ft Longitude: 110° 1' 41.110 W  
**Position Uncertainty** 0.0 ft Wellhead Elevation: 5,223.0 ft Ground Level: 5,211.0 ft

**Wellbore** Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/10/2011	11.34	65.83	52,317

**Design** Actual

**Audit Notes:**

**Version:** 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	134.84

**Survey Program** Date 10/26/2011

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
380.0	6,170.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

**Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
V-32-8-17 NO GO ZONE									
380.0	1.50	176.00	380.0	-5.0	0.3	3.7	0.39	0.39	0.00
410.0	1.40	190.00	409.9	-5.7	0.3	4.2	1.22	-0.33	46.67
441.0	1.70	197.10	440.9	-6.5	0.1	4.7	1.15	0.97	22.90
480.0	2.00	200.70	479.9	-7.7	-0.3	5.2	0.82	0.77	9.23
502.0	2.50	192.00	501.9	-8.5	-0.5	5.6	2.75	2.27	-39.55
533.0	2.70	180.00	532.9	-9.9	-0.7	6.5	1.87	0.65	-38.71
563.0	2.60	165.00	562.8	-11.3	-0.5	7.6	2.33	-0.33	-50.00
594.0	3.00	155.30	593.8	-12.7	0.0	9.0	2.00	1.29	-31.29
624.0	3.30	148.50	623.8	-14.2	0.8	10.6	1.60	1.00	-22.67
655.0	3.40	148.50	654.7	-15.7	1.7	12.3	0.32	0.32	0.00
681.0	3.60	142.60	680.7	-17.0	2.6	13.9	1.58	0.77	-22.69

Company: NEWFIELD EXPLORATION  
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 Site: SECTION 32 T8S, R17E  
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 North Reference: True  
 Survey Calculation Method: Minimum Curvature  
 Database: EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
716.0	4.00	133.60	715.6	-18.7	4.2	16.2	2.05	1.14	-25.71
745.0	4.30	130.30	744.5	-20.1	5.8	18.3	1.32	1.03	-11.38
778.0	4.60	122.40	777.4	-21.6	7.8	20.8	2.07	0.91	-23.94
808.0	5.10	123.10	807.3	-23.0	10.0	23.3	1.68	1.67	2.33
839.0	5.50	121.60	838.2	-24.5	12.4	26.1	1.37	1.29	-4.84
869.0	5.90	118.30	868.0	-26.0	15.0	29.0	1.72	1.33	-11.00
914.0	6.70	121.00	912.7	-28.5	19.2	33.7	1.90	1.78	6.00
960.0	7.40	121.20	958.4	-31.4	24.1	39.2	1.52	1.52	0.43
1,005.0	8.10	123.30	1,003.0	-34.6	29.2	45.1	1.68	1.56	4.67
1,050.0	8.70	125.90	1,047.5	-38.4	34.6	51.6	1.58	1.33	5.78
1,095.0	9.40	126.30	1,091.9	-42.5	40.3	58.6	1.56	1.56	0.89
1,141.0	10.20	126.70	1,137.3	-47.2	46.6	66.3	1.75	1.74	0.87
1,186.0	10.70	128.40	1,181.5	-52.2	53.1	74.4	1.31	1.11	3.78
1,231.0	12.00	128.40	1,225.6	-57.7	60.0	83.2	2.89	2.89	0.00
1,277.0	12.50	129.70	1,270.6	-63.8	67.6	92.9	1.24	1.09	2.83
1,322.0	13.30	131.00	1,314.5	-70.3	75.3	103.0	1.89	1.78	2.89
1,367.0	13.30	133.40	1,358.2	-77.3	82.9	113.3	1.23	0.00	5.33
1,413.0	13.70	134.70	1,403.0	-84.8	90.6	124.0	1.09	0.87	2.83
1,458.0	13.80	135.30	1,446.7	-92.3	98.2	134.7	0.39	0.22	1.33
1,503.0	14.10	139.00	1,490.4	-100.3	105.6	145.6	2.09	0.67	8.22
1,548.0	14.20	140.00	1,534.0	-108.6	112.7	156.5	0.59	0.22	2.22
1,593.0	13.90	141.30	1,577.6	-117.1	119.7	167.4	0.97	-0.67	2.89
1,638.0	13.40	139.70	1,621.4	-125.3	126.4	178.0	1.39	-1.11	-3.56
1,684.0	13.00	135.30	1,666.2	-133.0	133.5	188.5	2.35	-0.87	-9.57
1,729.0	13.20	132.30	1,710.0	-140.1	140.8	198.6	1.57	0.44	-6.67
1,774.0	13.50	133.30	1,753.8	-147.1	148.5	209.0	0.84	0.67	2.22
1,819.0	13.20	134.20	1,797.6	-154.3	156.0	219.4	0.81	-0.67	2.00
1,865.0	12.60	134.70	1,842.4	-161.5	163.3	229.7	1.33	-1.30	1.09
1,910.0	12.10	132.80	1,886.4	-168.2	170.3	239.3	1.43	-1.11	-4.22
1,955.0	11.60	134.30	1,930.4	-174.5	177.0	248.5	1.30	-1.11	3.33
2,001.0	11.10	135.00	1,975.5	-180.9	183.4	257.6	1.13	-1.09	1.52
2,046.0	10.90	132.40	2,019.7	-186.8	189.6	266.2	1.19	-0.44	-5.78
2,091.0	11.20	131.10	2,063.8	-192.6	196.0	274.8	0.87	0.67	-2.89
2,136.0	10.90	130.90	2,108.0	-198.2	202.5	283.4	0.67	-0.67	-0.44
2,181.0	10.30	132.40	2,152.2	-203.7	208.7	291.7	1.47	-1.33	3.33
2,226.0	10.00	134.50	2,196.5	-209.2	214.5	299.6	1.06	-0.67	4.67
2,272.0	9.60	137.00	2,241.9	-214.8	220.0	307.4	1.27	-0.87	5.43
2,317.0	9.20	135.10	2,286.3	-220.1	225.1	314.8	1.12	-0.89	-4.22
2,362.0	9.40	135.40	2,330.7	-225.2	230.2	322.0	0.46	0.44	0.67
2,408.0	9.40	134.50	2,376.0	-230.5	235.5	329.5	0.32	0.00	-1.96
2,453.0	9.40	135.20	2,420.4	-235.7	240.7	336.9	0.25	0.00	1.56
2,498.0	9.80	135.10	2,464.8	-241.0	246.0	344.4	0.89	0.89	-0.22
2,544.0	10.10	135.40	2,510.1	-246.7	251.6	352.3	0.66	0.65	0.65
2,589.0	9.90	134.50	2,554.4	-252.2	257.1	360.2	0.56	-0.44	-2.00
2,634.0	9.40	133.90	2,598.8	-257.5	262.5	367.7	1.13	-1.11	-1.33
2,680.0	9.50	135.90	2,644.2	-262.8	267.9	375.3	0.75	0.22	4.35
2,725.0	9.40	134.80	2,688.6	-268.1	273.1	382.6	0.46	-0.22	-2.44
2,770.0	9.20	130.70	2,733.0	-273.0	278.4	389.9	1.54	-0.44	-9.11
2,815.0	9.40	132.00	2,777.4	-277.8	283.9	397.2	0.64	0.44	2.89
2,861.0	9.50	131.00	2,822.8	-282.8	289.5	404.7	0.42	0.22	-2.17
2,906.0	10.00	128.40	2,867.1	-287.7	295.4	412.3	1.48	1.11	-5.78
2,951.0	10.40	131.50	2,911.4	-292.8	301.5	420.2	1.51	0.89	6.89
2,997.0	10.40	130.50	2,956.6	-298.2	307.8	428.5	0.39	0.00	-2.17
3,042.0	10.50	131.40	3,000.9	-303.6	313.9	436.7	0.43	0.22	2.00



## Payzone Directional

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 32 T8S, R17E  
**Well:** V-32-8-17  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well V-32-8-17  
**TVD Reference:** V-32-8-17 @ 5223.0ft (Capstar 328)  
**MD Reference:** V-32-8-17 @ 5223.0ft (Capstar 328)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,087.0	10.80	133.20	3,045.1	-309.2	320.1	445.0	1.00	0.67	4.00
3,132.0	11.10	134.60	3,089.3	-315.1	326.2	453.5	0.89	0.67	3.11
3,178.0	10.90	138.20	3,134.5	-321.5	332.3	462.3	1.56	-0.43	7.83
3,223.0	10.10	138.60	3,178.7	-327.6	337.7	470.5	1.79	-1.78	0.89
3,268.0	9.70	138.90	3,223.0	-333.4	342.8	478.2	0.90	-0.89	0.67
3,313.0	9.60	138.50	3,267.4	-339.1	347.8	485.7	0.27	-0.22	-0.89
3,359.0	9.60	138.30	3,312.8	-344.8	352.9	493.4	0.07	0.00	-0.43
3,404.0	9.80	138.80	3,357.1	-350.5	357.9	500.9	0.48	0.44	1.11
3,449.0	9.90	137.30	3,401.4	-356.2	363.1	508.6	0.61	0.22	-3.33
3,495.0	9.90	135.60	3,446.8	-362.0	368.5	516.5	0.64	0.00	-3.70
3,540.0	10.20	134.60	3,491.1	-367.5	374.1	524.4	0.77	0.67	-2.22
3,585.0	10.60	134.90	3,535.3	-373.2	379.8	532.5	0.90	0.89	0.67
3,631.0	10.90	135.50	3,580.5	-379.3	385.9	541.1	0.70	0.65	1.30
3,676.0	10.80	138.60	3,624.7	-385.5	391.6	549.5	1.32	-0.22	6.89
3,721.0	10.40	138.30	3,669.0	-391.7	397.1	557.8	0.90	-0.89	-0.67
3,766.0	9.80	139.50	3,713.3	-397.7	402.3	565.7	1.41	-1.33	2.67
3,812.0	9.40	135.70	3,758.6	-403.3	407.5	573.3	1.63	-0.87	-8.26
3,857.0	9.30	134.60	3,803.0	-408.5	412.6	580.6	0.46	-0.22	-2.44
3,902.0	9.10	132.70	3,847.4	-413.5	417.8	587.8	0.81	-0.44	-4.22
3,948.0	9.10	132.40	3,892.9	-418.4	423.2	595.1	0.10	0.00	-0.65
3,993.0	9.40	136.50	3,937.3	-423.5	428.4	602.3	1.61	0.67	9.11
4,038.0	9.40	136.00	3,981.7	-428.8	433.4	609.7	0.18	0.00	-1.11
4,084.0	10.00	136.60	4,027.0	-434.4	438.8	617.4	1.32	1.30	1.30
4,129.0	9.90	135.10	4,071.3	-439.9	444.2	625.2	0.62	-0.22	-3.33
4,174.0	9.50	136.50	4,115.7	-445.4	449.5	632.8	1.03	-0.89	3.11
4,220.0	9.80	138.00	4,161.0	-451.0	454.7	640.5	0.85	0.65	3.26
4,265.0	9.60	137.10	4,205.4	-456.6	459.8	648.1	0.56	-0.44	-2.00
4,310.0	9.90	135.80	4,249.7	-462.2	465.1	655.7	0.83	0.67	-2.89
4,356.0	9.70	132.50	4,295.1	-467.6	470.7	663.5	1.30	-0.43	-7.17
4,401.0	9.70	133.00	4,339.4	-472.8	476.3	671.1	0.19	0.00	1.11
4,446.0	9.70	134.00	4,383.8	-478.0	481.8	678.7	0.37	0.00	2.22
4,492.0	9.90	133.60	4,429.1	-483.4	487.4	686.5	0.46	0.43	-0.87
4,537.0	10.30	131.30	4,473.4	-488.7	493.3	694.4	1.26	0.89	-5.11
4,582.0	10.00	132.40	4,517.7	-494.0	499.2	702.3	0.79	-0.67	2.44
4,628.0	10.20	134.60	4,563.0	-499.6	505.0	710.4	0.94	0.43	4.78
4,673.0	10.30	136.10	4,607.3	-505.3	510.6	718.4	0.63	0.22	3.33
4,718.0	10.10	137.10	4,651.6	-511.1	516.1	726.3	0.59	-0.44	2.22
4,763.0	10.10	135.60	4,695.9	-516.8	521.6	734.2	0.58	0.00	-3.33
4,808.0	10.10	136.00	4,740.2	-522.4	527.1	742.1	0.16	0.00	0.89
4,853.0	10.50	134.70	4,784.5	-528.1	532.7	750.1	1.03	0.89	-2.89
4,898.0	10.10	137.70	4,828.7	-533.9	538.3	758.2	1.49	-0.89	6.67
4,944.0	9.50	133.20	4,874.1	-539.5	543.8	766.0	2.11	-1.30	-9.78
4,989.0	9.90	136.60	4,918.4	-544.9	549.1	773.6	1.55	0.89	7.56
5,034.0	9.80	137.80	4,962.7	-550.5	554.4	781.3	0.51	-0.22	2.67
5,080.0	8.80	137.80	5,008.1	-556.0	559.4	788.7	2.17	-2.17	0.00
5,125.0	8.10	135.20	5,052.7	-560.8	563.9	795.3	1.77	-1.56	-5.78
5,170.0	8.80	134.90	5,097.2	-565.5	568.6	801.9	1.56	1.56	-0.67
5,215.0	9.10	131.60	5,141.6	-570.3	573.7	808.9	1.32	0.67	-7.33
5,261.0	8.40	132.00	5,187.1	-575.0	578.9	815.9	1.53	-1.52	0.87
5,306.0	8.60	131.40	5,231.6	-579.4	583.9	822.5	0.49	0.44	-1.33
5,397.0	8.40	129.70	5,321.6	-588.1	594.1	836.0	0.35	-0.22	-1.87
5,442.0	8.10	128.40	5,366.1	-592.2	599.1	842.4	0.78	-0.67	-2.89
5,487.0	8.50	125.60	5,410.7	-596.1	604.3	848.8	1.26	0.89	-6.22
5,532.0	9.30	126.60	5,455.1	-600.2	609.9	855.7	1.81	1.78	2.22

**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 32 T8S, R17E  
**Well:** V-32-8-17  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well V-32-8-17  
**TVD Reference:** V-32-8-17 @ 5223.0ft (Capstar 328)  
**MD Reference:** V-32-8-17 @ 5223.0ft (Capstar 328)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

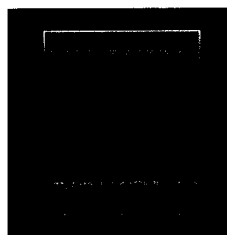
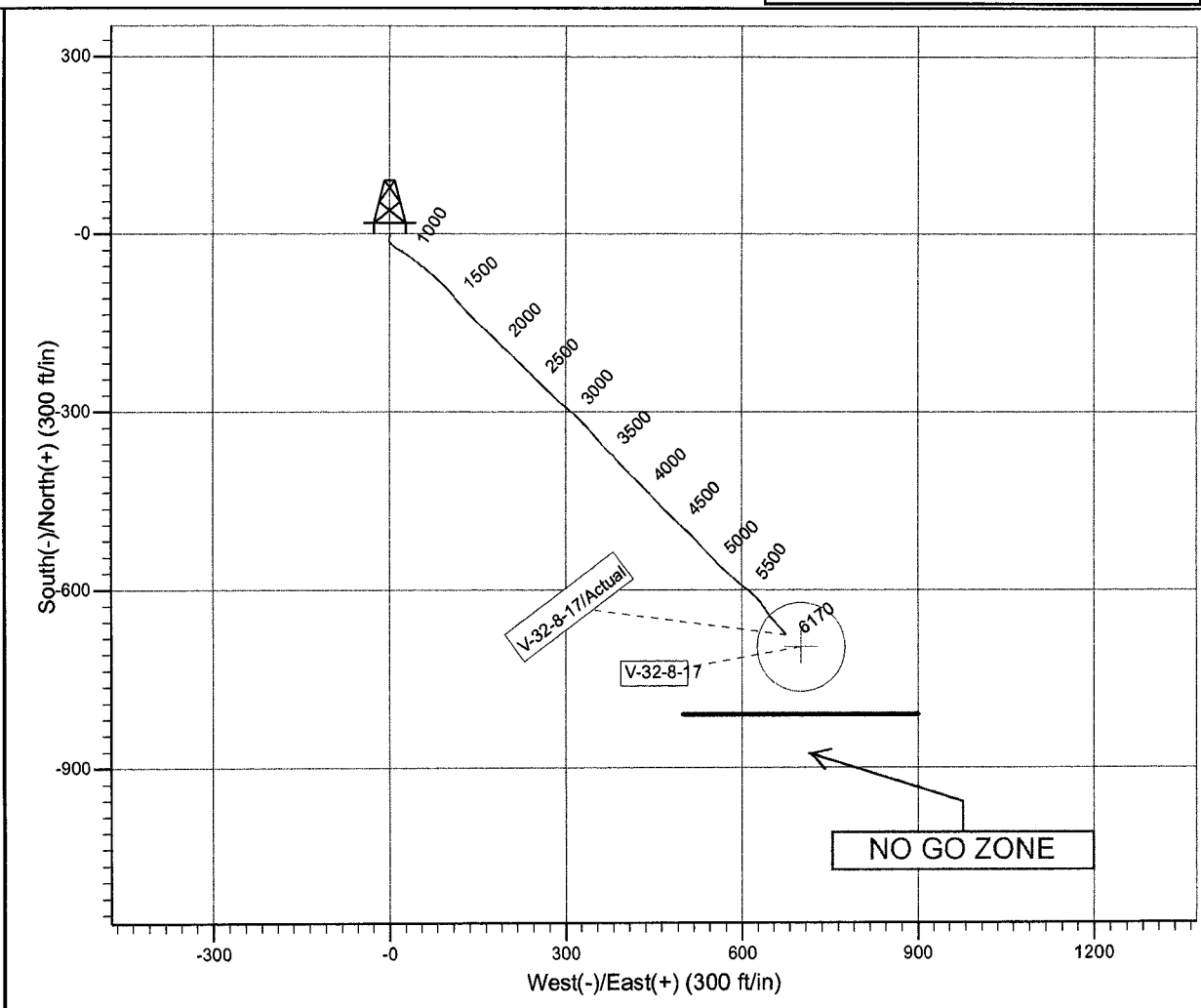
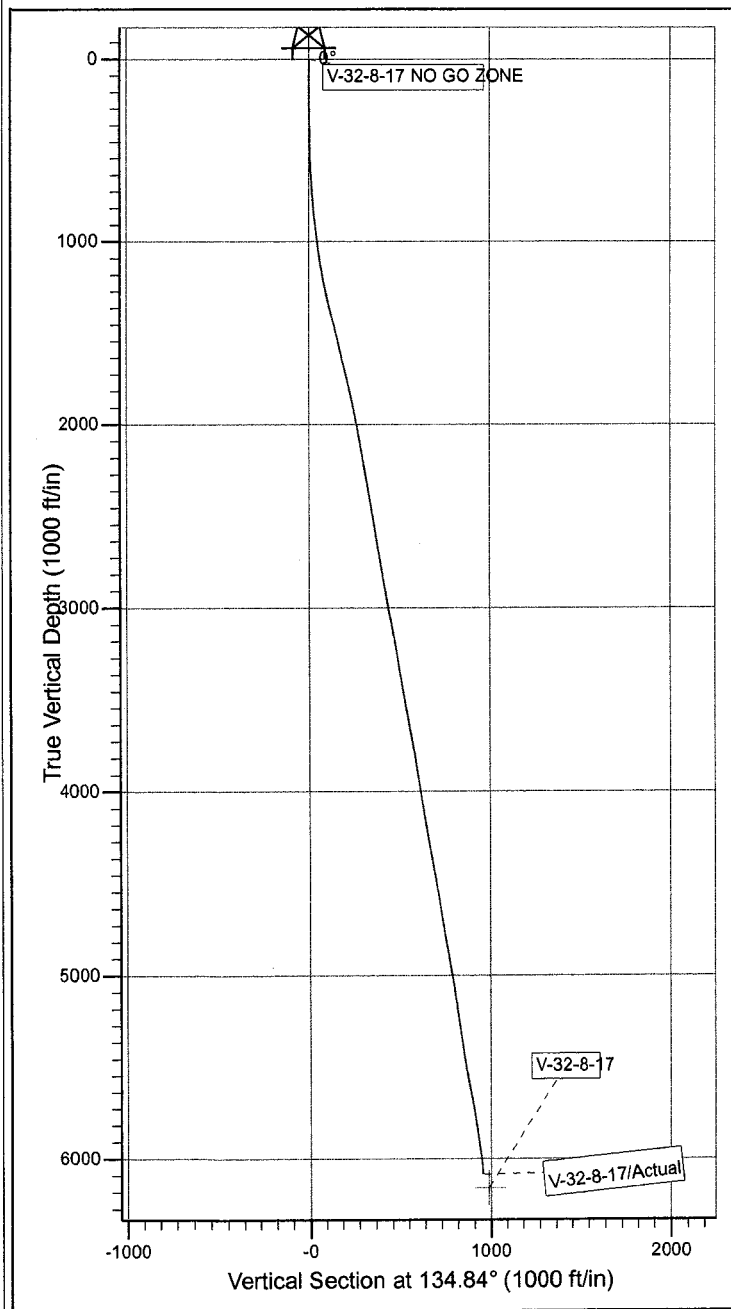
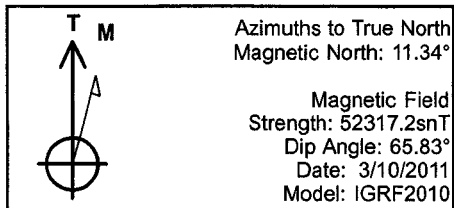
## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,578.0	10.40	129.40	5,500.4	-605.1	616.1	863.5	2.61	2.39	6.09
5,623.0	10.80	133.20	5,544.7	-610.5	622.3	871.8	1.79	0.89	8.44
5,668.0	10.70	140.50	5,588.9	-616.6	628.0	880.1	3.03	-0.22	16.22
5,714.0	10.70	143.40	5,634.1	-623.4	633.3	888.6	1.17	0.00	6.30
5,759.0	10.40	146.00	5,678.3	-630.1	638.1	896.7	1.25	-0.67	5.78
5,804.0	9.70	146.30	5,722.6	-636.6	642.4	904.4	1.56	-1.56	0.67
5,849.0	9.20	147.30	5,767.0	-642.8	646.5	911.7	1.17	-1.11	2.22
5,895.0	8.80	140.60	5,812.5	-648.6	650.7	918.7	2.44	-0.87	-14.57
5,940.0	9.10	134.40	5,856.9	-653.8	655.4	925.7	2.24	0.67	-13.78
5,985.0	8.60	136.30	5,901.4	-658.7	660.3	932.7	1.29	-1.11	4.22
6,030.0	8.20	138.00	5,945.9	-663.5	664.8	939.2	1.05	-0.89	3.78
6,076.0	7.30	137.00	5,991.5	-668.1	669.0	945.4	1.98	-1.96	-2.17
6,121.0	6.80	141.30	6,036.1	-672.2	672.6	950.9	1.61	-1.11	9.56
6,170.0	6.10	143.20	6,084.8	-676.6	675.9	956.4	1.49	-1.43	3.88
V-32-8-17									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



Project: USGS Myton SW (UT)  
Site: SECTION 32 T8S, R17E  
Well: V-32-8-17  
Wellbore: Wellbore #1  
Design: Actual



Design: Actual (V-32-8-17/Wellbore #1)

Created By: Sarah Webb Date: 11:49, October 26 2011

THIS SURVEY IS CORRECT TO THE BEST OF  
MY KNOWLEDGE AND IS SUPPORTED  
BY ACTUAL FIELD DATA

**Daily Activity Report****Format For Sundry****GMBU V-32-8-17****7/1/2011 To 11/30/2011****GMBU V-32-8-17****Waiting on Cement****Date:** 8/31/2011

Ross #29 at 340. Days Since Spud - On 8/29/11 Ross #29 spud and drilled 340' of 12 1/4" hole, P/U and run 8 jts of 8 5/8" casing set - 340.47'KB. On 8/31/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - yield. Returned 6bbbs to pit, bump plug to 420psi, BLM and State were notified of spud via email.

**Daily Cost:** \$0**Cumulative Cost:** \$58,283

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**GMBU V-32-8-17****Drill 7 7/8" hole with fresh water****Date:** 9/30/2011

Capstar #328 at 1193. 1 Days Since Spud - Orientate Dir tools RIH - Set pipe Racks Lay Flare Lines - Test BOPE as per program - Drill new 7 7/8" hole F/ 921 - 1193' wob 10 rpm 61 torq 950 gpm 404 - Tag Cmt @ 277 Drill Cmt & Shoe - Nipple up - MIRU - Drill new 7 7/8" hole F/ 340 - 921' wob 10 rpm 61 torq 950 gpm 404 - Reolace Drawworks Chain

**Daily Cost:** \$0**Cumulative Cost:** \$127,456

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**GMBU V-32-8-17****Drill 7 7/8" hole with fresh water****Date:** 10/1/2011

Capstar #328 at 4680. 2 Days Since Spud - Drill 7 7/8" Hole F/ 1193' - 3184 WOB 17 PP 1230 TQ 980 GPM 408 RPM 61 - SERVICE RIG - Drill 7 7/8" Hole F/ 3184' - 4680' WOB 17 PP 1230 TQ 980 GPM 408 RPM 61

**Daily Cost:** \$0**Cumulative Cost:** \$231,227

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**GMBU V-32-8-17****Drill 7 7/8" hole with fresh water****Date:** 10/2/2011

Capstar #328 at 6222. 3 Days Since Spud - SERVICE RIG - Drill 7 7/8" hole F/ 5086' -6222' TD WOB 22 TOQ 11300 RPM 61 PP 1650 GPM 404 - Dirc hole cleaning sweep - flow check, flowing 4 gpm, pump slug and POOH - Drill 7 7/8" hole F/ 4684' - 5086' WOB 22 TOQ 11300 RPM 61 PP 1650 GPM 404

**Daily Cost:** \$0**Cumulative Cost:** \$257,142

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**GMBU V-32-8-17****Rigging down****Date:** 10/3/2011

Capstar #328 at 6222. 4 Days Since Spud - wait on brine truck - Displace hole w/ 160 bbls brine - POOH Laying down pipe - PJSM rig up wireline log well - POOH Laying down pipe - Service rig - Circ while rigging up cementers - Cement as per program - Rig down, Clean tanks (Release rig @ 06:00) - R/U and run production casing. RIH 147 Joints **Finalized**

**Daily Cost:** \$0**Cumulative Cost:** \$311,567

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**Pertinent Files: Go to File List**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22060
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> GMBU V-32-8-17
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0810 FSL 1990 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 32 Township: 08.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013508420000
<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE		<b>COUNTY:</b> DUCHESNE
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

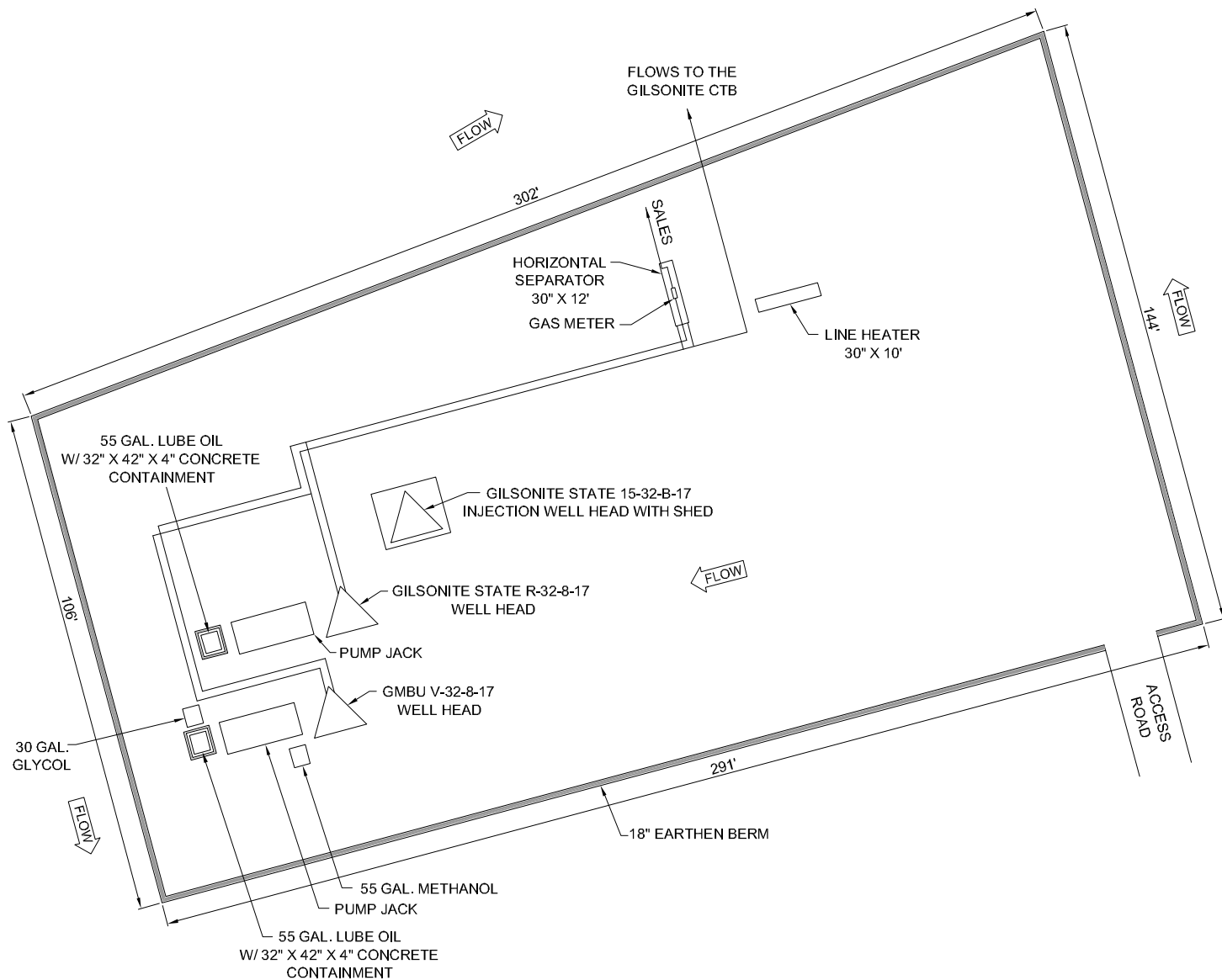
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <div style="border: 1px solid black; padding: 2px; display: inline-block;">3/1/2012</div>  <input type="checkbox"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> OTHER			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

SEE ATTACHED REVISED SITE FACILITY DIAGRAM



Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 August 27, 2012

<b>NAME (PLEASE PRINT)</b> Jill L Loyle	<b>PHONE NUMBER</b> 303 383-4135	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/14/2012	



UTU87538X

GILSONITE STATE 15-32-B-17 (LOCATION) - API #: 4301331584  
 GILSONITE STATE R-32-8-17 (DIRECTIONAL) - API #: 4301334093  
 GMBU V-32-8-17 (DIRECTIONAL) - API #: 4301350842

	GILSONITE STATE 15-32-B-17, GILSONITE STATE R-32-8-17 AND GMBU V-32-8-17	
	Newfield Exploration Company SWSE Sec 32, T8S, R17E Duchesne County, UT	
	N.T.S.	
	M.G.	
MAR 2012		

RECEIVED: Aug. 14, 2012